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1911–1912

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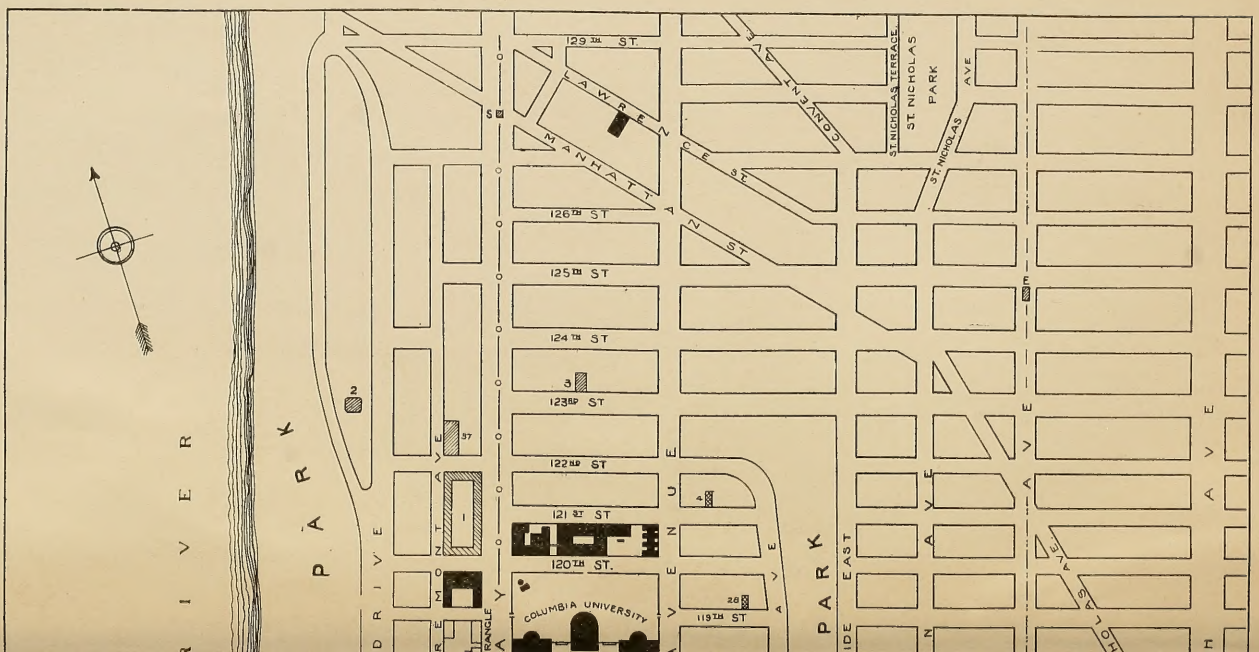

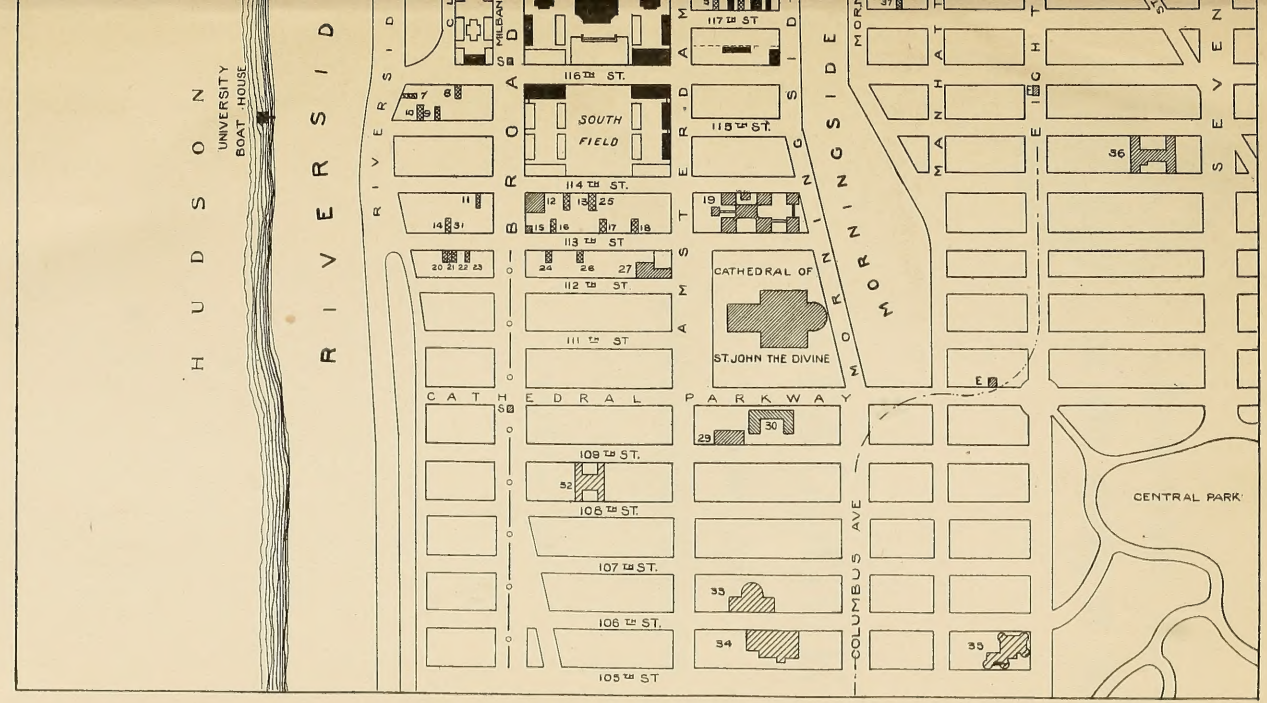

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[1] Absent on leave 1911–12.

[3] Absent on leave second half-year.

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Ph.B., Columbia, 1884.

WILLIAM A. DUNNING.....Lieber Professor of History and Political Philosophy
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A.B., Princeton, 1893; A.M., 1894; M.D., Columbia, 1899.

WILHELM A. BRAUN.....Associate Professor of the Germanic Languages and Literatures
A.B., Toronto, 1895; Ph.D., Columbia, 1903.

MORTON ARENDT.....Assistant Professor of Electrical Engineering
E.E., Columbia, 1898.

TRACY E. HAZEN.....Assistant Professor of Botany
A.B., Vermont, 1897; A.M., Columbia, 1899; Ph.D., 1900.

CHARLES P. BERKEY.....Assistant Professor of Geology
B.S., Minnesota, 1892; M.S., 1893; Ph.D., 1897.

RAYMOND C. OSBURN.....Assistant Professor of Zoölogy
B.S., Ohio State, 1898; M.S., 1900; Ph.D., Columbia, 1906.

JOHN L. GERIG.....Assistant Professor of Celtic
A.B., Missouri, 1898; A.M., 1899; Ph.D., 1902.

HARRY M. AYRES.....Assistant Professor of English
A.B., Harvard, 1902; Ph.D., 1908.

CAMILLE FONTAINE.....Assistant Professor of the Romance Languages and Literatures
B. ès L., Univ. of Paris, 1875; B. en Dr., 1877; Lic. en Dr., 1878.

CHARLES C. GROVE.....Assistant Professor of Mathematics
A.B., Pennsylvania State College, 1900; A.M., 1903; Ph.D., Johns Hopkins, 1906.

JOHN HAROLD MORECROFT..Assistant Professor of Electrical Engineering
E.E., Syracuse, 1904; B.S., 1907.

ALGERNON DE V. TASSIN.....Assistant Professor of English
A.B., Harvard, 1892; A.M., 1893.

CARLTON H. HAYES.....Assistant Professor of History
A.B., Columbia, 1904; A.M., 1905; Ph.D., 1909.

VIRGINIA C. GILDERSLEEVE...Dean of Barnard College and Professor of English
A.B., Columbia, 1899; A.M., 1900; Ph.D., 1908.

WILLIAM BENJAMIN FITE.....Professor of Mathematics
Ph.B., Cornell, 1892; Ph.D., 1901.

HERBERT E. HAWKES.....Professor of Mathematics
A.B., Yale, 1896; Ph.D., 1900.

GEORGE PHILIP KRAPP.....Professor of English
A.B., Wittenberg, 1894; A.M., 1897; Ph.D., Johns Hopkins, 1899.

DEAN PUTNAM LOCKWOOD.....Assistant Professor of Classical Philology
A.B., Harvard, 1903; A.M., 1904; Ph.D., 1907.

FRANK GARDNER MOORE.....Professor of Classical Philology
A.B., Yale, 1886; Ph.D., 1890.

WALTER IRVINE SLICHTER.....Professor of Electrical Engineering
E. E., Columbia, 1896.

HARLAN F. STONE.....Professor of Law
B.S., Amherst, 1894; A.M., 1900; LL.B., Columbia, 1898.

LA RUE VAN HOOK.....Associate Professor of Classical Philology
A.B., Michigan, 1899; Ph.D., Chicago, 1904.

GEORGE V. WENDELL.....Professor of Physics
B.S., Mass. Inst. of Tech., 1892; Ph.D., Leipzig, 1898.

MILTON C. WHITAKER.....Professor of Engineering Chemistry
B.S., University of Colorado, 1897; M.S., 1899.

J. PAUL JONES WILLIAMS.....Assistant Professor of Civil Engineering
B.S., Pennsylvania, 1898; M.S., 1899; C.E., 1908.

CURT P. WIMMER....Assistant Professor of Pharmacy in the College of Pharmacy
Phar. G., New York College of Pharmacy, 1902; Phar. D., 1904; A.M., Columbia, 1909.

FREDERICK G. BONSER.....Assistant Professor of Industrial Arts in Teachers College
B.S., Illinois, 1901; M.S., 1902; Ph.D., Columbia, 1911.

ANNA M. COOLEY....Assistant Professor of Household Arts in Teachers College
B.S., Columbia, 1903; Bachelor's Diploma, Teachers College, 1903; Diploma, New York Normal College, 1893; Hunter Kindergarten Training School, 1894.

JANE T. FALES.....Assistant Professor of Household Arts in Teachers College
Diploma, Teachers College, 1906; B.S., Columbia, 1907.

FREDERIC ERNEST FARRINGTON....Associate Professor of Education in Teachers College
A.B., Harvard, 1894; A.M., Columbia, 1902; Ph.D., 1904.

GRACE FULMER.....Assistant Professor of Kindergarten Education in Teachers College
Diploma, Chicago Kindergarten College, 1893.

PATTY S. HILL.....Assistant Professor of Kindergarten Education in Teachers College
Diploma, Louisville Free Kindergarten Association Training School, 1888.

AZUBAH J. LATHAM....Assistant Professor of Oral English in Teachers College
B.A., Boston University, 1880; Diploma, Boston School of Expression, 1890.

WILLIAM H. MCCASTLINE...Assistant Professor of Physical Education in Teachers College
M.D., Columbia, 1903.

WILLIAM NOYES.....Assistant Professor of Industrial Arts in Teachers College
A.B., Amherst, 1884; A.M., 1905.

MRS. MARY D. SWARTZ ROSE.....Assistant Professor of Household Arts in Teachers College
B.L., Dennison, 1901; Diploma, Mechanics Institute, Rochester, 1902; B.S., Columbia, 1906; Ph.D., Yale, 1909; Diploma, Teachers College, 1906.

HENRY A. RUGER....Assistant Professor of Educational Psychology in Teachers College
A.B., Beloit, 1895; A.M., Chicago, 1905; Ph.D., Columbia, 1910.

CLIFFORD B. UPTON....Assistant Professor of Mathematics in Teachers College
A.B., Michigan, 1902; A.M., Columbia, 1907; Master's Diploma, Teachers College, 1907.

MAY B. VAN ARSDALE.....Assistant Professor of Household Arts in Teachers College
B.S., Columbia, 1905; Diploma, Teachers College, 1893.

LAMONT A. WARNER.....Assistant Professor of Household Arts in Teachers College
Diploma, Pratt Institute, 1898.

J. RAMSAY HUNT...Chief of Clinic and Associate Professor of Neurology
M.D., Pennsylvania, 1893.

CHARLES N. B. CAMAC.....Assistant Professor of Clinical Medicine
M.D., Pennsylvania, 1895.

CHARLES A. HARRIMAN.....Assistant Professor of Architecture

EVERETT J. HALL.....Assistant Professor of Assaying

FLOYD J. METZGER.....Assistant Professor of Analytical Chemistry
Ph.B., Buchtel, 1899; Ph.D., Columbia, 1902.

HARRY L. PARR.....Assistant Professor of Mechanical Engineering
A.B., Columbia, 1902; Mech.E., 1904.

SAMUEL OSGOOD MILLER.....Assistant Professor of Drawing
C.E., Columbia, 1895.

EDWARD F. KERN.....Assistant Professor of Metallurgy
B.S., Tennessee, 1897; Ph.D., Columbia, 1901.

HAL T. BEANS.....Assistant Professor of Chemistry
B.S., Nebraska, 1899; A.M., 1900; Ph.D., Columbia, 1904.

ALVAN A. TENNEY.....Assistant Professor of Sociology
A.B., Columbia, 1898; A.M., 1899; Ph.D., 1907.

CHARLES W. THOMAS.....Assistant Professor of Mechanical Engineering
Mech. E., Stevens Inst. of Technology, 1884.

EUGENE E. AGGER.....Assistant Professor of Economics
A.B., Cincinnati, 1901; A.M., 1902; Ph.D., Columbia, 1907.

ROBERT L. SCHUYLER.....Assistant Professor of History
A.B., Columbia, 1903; A.M., 1904; Ph.D., 1909.

HENRY V. ARNEY....Professor of Chemistry in the College of Pharmacy
Ph.M., Philadelphia College of Pharmacy, 1889; Ph.D., Göttingen, 1896.

CHARLES SEARS BALDWIN.....Professor of Rhetoric and English Composition
A.B., Columbia, 1888; A.M., 1889; Ph.D., 1894.

ALON BEMENT.....Assistant Professor of Fine Arts in Teachers College
A.B., Stanford, 1896; Ph.D., Chicago, 1911.

ARTHUR H. BLANCHARD.....Professor of Highway Engineering
C.E., Brown, 1890; A.M., Columbia, 1902.

ROBERT E. CHADDOCK.....Assistant Professor of Statistics
A.B., Wooster College, 1900; A.M., Columbia, 1906; Ph.D., 1908.

GRACE A. CORNELL.....Assistant Professor of Fine Arts in Teachers College

THOMAS B. FREAS.....Assistant Professor of Chemistry and Curator of the Chandler Museum
A.B., Stanford, 1896; Ph.D., Chicago, 1911.

WILLYSTINE GOODSELL.....Assistant Professor of the History of Education in Teachers College
B.S., Columbia, 1905; A.M., 1906; Ph.D., 1910.

ROBERT A. HARPER.....Torrey Professor of Botany
A.B., Oberlin, 1886; A.M., 1891; Ph.D., Bonn, 1896.

MILO B. HILLEGAS.....Assistant Professor of Elementary Education in Teachers College
Ph.B., Rochester, 1897.

WILLIAM H. KILPATRICK.....Assistant Professor of the History of Education in Teachers College
A.B., Mercer, 1891; A.M., 1892.

A. ARTHUR LIVINGSTON.....Assistant Professor of the Romance Languages and Literatures
A.B., Amherst, 1904; Ph.D., Columbia, 1911.

WARFIELD THEOBALD LONGCOPE.....Assistant Professor of the Practice of Medicine
M.D., Johns Hopkins, 1901.

WILLIAM G. MARQUETTE.....Associate Professor of Botany
Ph.G., Northwestern, 1899; B.S., Wisconsin, 1903; Ph.D., 1907.

O. S. MORGAN.....Professor of Agriculture
A.B., Illinois, 1905; M.S.A., Cornell, 1907; Ph.D., 1909.

FRANK HENRY PIKE.....Assistant Professor of Physiology
A.B., Indiana, 1903; Ph.D., Chicago, 1907.

ALEXANDER SMITH.....Professor of Chemistry
B.S., Edinburgh, 1886; Ph.D., Munich, 1889.

WILLIAM H. WELKER.....Assistant Professor of Biological Chemistry
A.C., Lehigh, 1904; Ph.D., Columbia, 1908.

GUSTAVE LANSON, Litt. D.....Visiting Professor of French Literature for the year 1911–12
Professor of French Literature in the University of Paris.

JOSEF SCHICK, Ph.D.....Kaiser Wilhelm Professor of German History and Institutions for the year 1911–12
Professor of English Philology in the University of Munich.

PAUL S. REINSCH, Ph.D.....Theodore Roosevelt Professor of American History and Institutions in the University of Berlin for the year 1911–12
Professor of Political Science in the University of Wisconsin.

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Special Lecturers for 1911–12

SIR FREDERICK POLLOCK, LL.D., D.C.L.....Lecturer on the Carpentier Foundation
Honorary Fellow of Corpus Christi College, Oxford; Bencher, Lincoln's Inn.

JACQUES HADAMARD, Ph.D., Sc.D., LL.D.....Non-resident Lecturer
Professor of Analytical and Higher Mechanics in the College of France, Paris.

W. L. JOHANNSEN, Ph.D.....Non-resident Lecturer
Professor of Plant Physiology in the University of Copenhagen.

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Clinical Professors

FRANCIS P. KINNICUTT.....Professor of Clinical Medicine
A.B., Harvard, 1868; A.M., 1872; M.D., Columbia, 1871.

FRANK HARTLEY.....Professor of Clinical Surgery
A.B., Princeton, 1877; LL.D., 1909; M.D., Columbia, 1880.

JOHN S. THACHER.....Professor of Clinical Medicine
A.B., Yale, 1877; M.D., Columbia, 1880.

WALTER F. CHAPPELL.....Professor of Clinical Laryngology
M.D., University of Toronto, 1879.

PORTER F. CHAMBERS.....Professor of Clinical Gynecology
M.D., Bellevue Hospital Medical College, 1876.

FRANCIS HUBER.....Professor of Clinical Medicine
B.S., College of the City of New York, 1873; M.D., College of Physicians and Surgeons, 1877.

ALEXANDER B. JOHNSON.....Professor of Clinical Surgery
Ph.B., Yale, 1882; M.D., Columbia, 1885.

ROBERT LEWIS, Jr.....Professor of Clinical Otology
M.D., Columbia, 1885.

OTTO G. T. KILIANI.....Professor of Clinical Surgery
M.D., Halle, 1888.

JACOB KAUFMANN.....Professor of Clinical Medicine
M.D., Strassburg, 1885.

RUDOLF C. DENIG.....Professor of Clinical Ophthalmology
M.D., Würzburg, 1891.

NATHAN E. BRILL.....Professor of Clinical Medicine
M.D., New York University, 1880.

ARPAD G. GERSTER.....Professor of Clinical Surgery
M.D., Vienna, 1872.

FREDERICK KAMMERER.....Professor of Clinical Surgery
M.D., Freiburg, 1889.

EMANUEL LIBMAN.....Professor of Clinical Medicine
A.B., College of the City of New York, 1891; M.D., Columbia, 1894.

NORBERT STADTMÜLLER.....Professor of Clinical Medicine
M.D., Munich, 1889.
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Associates

ROBERT ABBE.....Associate in Clinical Surgery
A.B., College of the City of New York, 1870; M.D., Columbia, 1874.

FRANK R. OASTLER.....Chief of Clinic and Associate in Gynecology
A.B., Yale, 1891; M.D., Columbia, 1894.

LINNAEUS EDFORD LA FETRA.....Chief of Clinic and Associate in Diseases of Children
A.B., Wesleyan, 1891; M.D., Columbia, 1894.

WALTER A. BASTEDO....Associate in Pharmacology and Therapeutics
Ph.G., New York College of Pharmacy, 1894; M.D., Columbia, 1899.

WILLIAM C. CLARKE.....Associate in Surgery
M.D., Columbia, 1899.

HENRY S. PATTERSON.....Associate in Applied Therapeutics
A.B., Williams, 1896; M.D., Columbia, 1900.

NELLIS B. FOSTER.....Associate in Biological Chemistry
M.D., Johns Hopkins, 1902.

LINSLY RUDD WILLIAMS.....Associate in Clinical Medicine
A.B., Princeton, 1895; M.D., A.M., Columbia, 1899.

GEORGE J. BAYLES.....Associate in Ecclesiology
A.B., Columbia, 1891; A.M., 1892; LL.B., 1893; Ph.D., 1895.

FELLOWES DAVIS, Jr.....Associate in Clinical Obstetrics
M.D., Columbia, 1899.

GEORGE MONTAGUE SWIFT.....Associate in Clinical Medicine
A.B., Amherst, 1876; A.M., 1879; M.D., Columbia, 1879.

T. STUART HART.....Associate in Medicine
A.B., Yale, 1891; A.M., 1893; M.D., Columbia, 1895.

LEWIS F. FRISSELL.....Associate in Medicine
A.B., Yale, 1895; A.M., 1897; M.D., Columbia, 1900.

ALWIN M. PAPPENHEIMER.....Associate in Pathology
A.B., Harvard, 1898; M.D., Columbia, 1902.

FREDERICK TILNEY.....Associate in Anatomy
A.B., Yale, 1897; M.D., Long Island College Hospital, 1903.

JOHN V. VAN PELT.....Associate in Architecture
Architecte Diplômé par le Gouvernement, École des Beaux-Arts, Paris.

WENDELL T. BUSH.....Associate in Philosophy
A.B., Brooklyn Polytechnic Institute, 1889; A.M., Harvard, 1898; Ph.D., Columbia, 1905.

AUSTIN W. HOLLIS.....Associate in Clinical Medicine
M.D., Columbia, 1890.

FRANK E. WARD.....Associate in Music

ALFRED STILLMAN.....Associate in Anatomy
A.B., Harvard, 1903; M.D., Columbia, 1907.

ISAAC LEVIN.....Associate in Pathology
M.D., St. Petersburg, 1890.

EDWARD W. SCRIPTURE.....Associate in Psychiatry
Ph.D., Leipzig, 1891; M.D., Munich, 1906.

MABEL F. WEEKS.....Associate in English in Barnard College
A.B., Radcliffe, 1894.

WALTON MARTIN.....Associate in Surgery
Ph.B., Yale, 1889; M.D., Columbia, 1892.

ALBERT E. SUMNER.....Associate in Clinical Medicine
A.B., Amherst, 1889; M.D., Columbia, 1894; A.M., 1903.

HENRY W. BERG.....Associate in Diseases of Children
A.B., College of the City of New York, 1878; M.D., Columbia, 1881.

HERBERT S. CARTER.....Associate in Clinical Medicine
A.B., Princeton, 1892; A.M., 1895; M.D., Columbia, 1895.

T. LESLIE SHEAR.....Associate in Classical Philology
A.B., New York University, 1900; A.M., 1903; Ph.D., Johns Hopkins, 1904.

FREDERIC MOIR HANES.....Associate in Pathology
A.B., University of North Carolina, 1903; A.M., Harvard, 1904; M.D., Johns Hopkins, 1908.

CHARLES CHRISTIAN LIEB...Associate in Pharmacology and Therapeutics
A.B., Columbia, 1902; M.D., 1906.

GOLDTHWAITE H. DORR.....Associate in Law
A.B., Harvard, 1897; LL.B., Columbia, 1904.

WALTER H. EDDY.....Associate in Biological Chemistry
B.S., Amherst, 1898; A.M., Columbia, 1908; Ph.D., 1909.

WALTER BENSEL.....Associate in Hygiene and Preventive Medicine
M.D., Columbia, 1890.

ALBERT A. BERG.....Associate in Clinical Surgery
A.B., College of the City of New York, 1891; M.D., Columbia, 1894.

JACKSON E. REYNOLDS.....Associate in Law
A.B., Stanford University, 1896; LL.B., Columbia, 1899.

JACOB ROSENBLOOM.....Associate in Biological Chemistry
B.S., Western University of Pennsylvania, 1905; Ph.D. and M.D., Columbia, 1909.

MAURICE PRÉVÔT.....Associate in Architecture
Diplômé École des Beaux-Arts, 1900.

WILBUR WARD.....Associate in Gynecology
A.B., Williams, 1900; M.D., Columbia, 1904.

HAVEN EMERSON.....Associate in Physiology and Instructor in Medicine
A.B., Harvard, 1896; A.M. and M.D., Columbia, 1899.

FRANCIS A. NELSON.....Associate in Architecture
B.S., Columbia, 1900; *A.D.G., École des Beaux-Arts, Paris.

WALTER B. PITKIN.....Associate in Philosophy
A.B., Michigan, 1900.

FREDERICK A. HALSEY.....Associate in Mechanical Engineering
B.M.E., Cornell, 1878.

LINCOLN DE GROOT MOSS.....Associate in Mechanical Engineering

F. V. D. LONGACRE.....Associate in Mechanical Engineering

DAVID S. MUZZEY.....Associate in History
A.B., Harvard, 1893; B.D., New York University, 1897; Ph.D., Columbia, 1907.

* Architecte Diplômé par le Gouvernement.

CHARLES G. SIMPSON.....Associate in Mechanics
Ph.B., Cornell College, 1895; A.M., 1902.

GEORGE A. TUTTLE.....Associate in Clinical Medicine
A.B., Amherst, 1883; M.D., Columbia, 1886.

HORATIO B. WILLIAMS.....Associate in Physiology
A.B., Syracuse, 1900; M.D., 1905.

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Instructors

Note—For the Instructors and other Officers not of Professorial Grade in Teachers College, in the College of Pharmacy, and those of the Summer Session and Extension Teaching, see the Table of Contents.

RICHARD FROTHINGHAM, M.D.....Instructor in Laryngology
CHARLES CONRAD SLEFFEL....Instructor in Industrial Arts in Teachers College
CHARLES W. WEICK, B.S.....Instructor in Mechanical Drawing in Teachers College
ARTHUR M. SHRADY, M.D.....Chief of Clinic and Instructor in Hydrotherapy
CHARLES C. TROWBRIDGE, Sc.D.....Instructor in Physics
A. EMIL SCHMITT, M.D.....Instructor in Surgery
WARD A. HOLDEN, M.D.....Chief of Clinic and Instructor in Ophthalmology
HENRY H. TYSON, M.D.....Instructor in Ophthalmology
CLARENCE A. MCWILLIAMS, M.D.....Instructor in Clinical Surgery
ADRIAN VAN SINDEREN LAMBERT, M.D..Instructor in Clinical Surgery
ADAM M. MILLER, A.M.....Instructor in Anatomy
EUGENE HILLHOUSE POOL, M.D.....Instructor in Clinical Surgery
OLIVER S. STRONG, Ph.D.....Instructor in Anatomy
CHARLES I. PROBEN, M.D.....Instructor in Gynecology
GEORGE H. RYDER, M.D.....Instructor in Gynecology
WILLIAM SKARSTROM, M.D.....Instructor in Physical Education
SAMUEL W. THURBER, M.D.....Chief of Clinic and Instructor in Laryngology
PERCY R. TURNURE, M.D.....Instructor in Clinical Surgery
GERTRUDE M. HIRST, Ph.D.....Instructor in Classical Philology in Barnard College
EDWARD L. HUNT, M.D.....Instructor in Neurology
ROWLAND COX, M.D.....Instructor in Surgery
JAMES H. KENYON, M.D.....Instructor in Surgery
WALTER S. REYNOLDS, M.D.....Chief of Clinic and Instructor in Genito-Urinary Diseases
CHARLES H. JAEGER, M.D.....Chief of Clinic and Instructor in Orthopædic Surgery
HOWARD D. COLLINS, M.D.....Instructor in Clinical Surgery

T. Laurance Saunders, M.D..... Chief of Clinic and Instructor in Otology

John H. P. Hodgson, M.D.....Chief of Clinic and Instructor in Dermatology

D. Stuart Dodge Jessup, M.D....Instructor in Clinical Pathology

James I. Russell, M.D.....Instructor in Clinical Surgery

Edward Knight Judd, A.B., E.M.....Instructor in Mining

Arthur S. Vosburgh, M.D.....Instructor in Surgery

Percy Herbert Williams, M.D.....Instructor in Gynecology

Karl A. Connell, M.D.....Instructor in Surgery

Hugh B. Blackwell, M.D.....Instructor in Clinical Otology

William Darrach, M.D.....Instructor in Clinical Surgery

Thomas H. Harrington, C.E.....Instructor in Drawing

Henri F. Muller, B. ès L..Instructor in the Romance Languages and Literatures

Leighton B. Morse, Ph.D.....Instructor in Physics

Alfred P. Lothrop, Ph.D.....Instructor in Biological Chemistry

Herman O. Mosenthal, M.D....Instructor in Biological Chemistry and in Medicine

Hugh Auchincloss, M.D.....Instructor in Surgery

Frederick H. Bartlett, M.D.....Instructor in Diseases of Children

Thomas McCheyne Gunn, A.M.....Instructor in Mechanical Engineering

Henry H. Janeway, M.D.....Instructor in Surgery

Ralph W. Lobenstine, M.D.....Instructor in Clinical Gynecology

Harold Worthington Webb, Ph.D.....Instructor in Physics

Hermann Fischer, M.D.....Instructor in Clinical Surgery

De Witt Stetten, M.D.....Instructor in Clinical Surgery

Otto M. Schwerdtfeger, M.D.....Instructor in Clinical Medicine

J. Victor Haberman, M.D.....Instructor in Neurology and in Applied Therapeutics

Cavalier Hargrave Joüet, Ph.D...Instructor in Analytical Chemistry

Arthur Colon Neish, Ph.D.....Instructor in Chemistry

Roscoe Guernsey, Ph.D.....Instructor in Classical Philology

Eleanor Keller, A.M.....Instructor in Chemistry in Barnard College

Maurice A. Lamme, Ph.D.....Instructor in Mineralogy

Frederick W. J. Heuser, A.M.....Instructor in the Germanic Languages and Literatures

Ida Helen Ogilvie, Ph.D..... Instructor in Geology in Barnard College

Lewis P. Siceloff, A.B.....Instructor in Mathematics

Harold C. Brown, Ph.D.....Instructor in Philosophy

Pauline Hamilton Dederer, A.M... Instructor in Zoölogy in Barnard College

Alexander O. Bechert, A.M....Instructor in the Germanic Languages and Literatures

MARION E. LATHAM, A.M.....Instructor in Botany in Barnard College
OTTO KRESS, Ph.D.....Instructor in Engineering Chemistry
ALLEN W. PORTERFELD, Ph.D.....Instructor in the Germanic Languages and Literatures
EDGAR H. STURTEVANT, Ph.D.....Instructor in Classical Philology
DINO BIGONGIARI, A.B.....Instructor in the Romance Languages and Literatures
MAUDE A. HUTTMANN, A.M....Instructor in History in Barnard College
CHESTER A. DARLING, Ph.D.....Instructor in Botany
GRACE LANGFORD, S.B.....Instructor in Physics in Barnard College
WILLIAM F. COOLEY, Ph.D.....Instructor in Philosophy
HARRISON R. STEEVES, A.M.....Instructor in English
JOHN MAURICE NELSON, Ph.D.....Instructor in Organic Chemistry
HERMON W. FARWELL, A.M.....Instructor in Physics
HARRY L. HOLLINGWORTH, Ph.D.....Instructor in Psychology
HARRY WILFRED REDDICK, Ph.D.....Instructor in Mathematics
EDWARD D. THURSTON, Jr., A.B., Mech.E.....Instructor in Mechanical Engineering
LOUISE HOYT GREGORY, Ph.D..Instructor in Zoölogy in Barnard College
FREDERICK W. HEHRE, E.E.....Instructor in Electrical Engineering
WILLIAM CABLER MOORE, Ph.D.....Instructor in Chemistry
HENRY H. L. SCHULZE, A.M.....Instructor in the Germanic Languages and Literatures
J. ENRIQUE ZANETTI, Ph.D.....Instructor in Chemistry
MRS. JULIANA S. HASKELL, Ph.D...Instructor in the Germanic Languages and Literatures in Barnard College
OTTO HENSEL, M.D.....Instructor in Clinical Medicine
FREDERICK T. VAN BEUREN, Jr., M.D.....Chief of Clinic and Instructor in Surgery
LEANDER H. SHEARER, M.D.....Instructor in Clinical Medicine and in Physiology
CHARLES H. SMITH, M.D.....Instructor in Anatomy
JAMES S. MACGREGOR, M.S.....Instructor in Civil Engineering
ISAAC O. WOODRUFF, M.D.....Instructor in Clinical Medicine
HOWARD H. MASON, M.D..,..Chief of Clinic and Instructor in Medicine
WILLIAM W. HERRICK, M.D...Chief of Clinic and Instructor in Medicine
MAX SCHULMAN, M.D.....Chief of Clinic and Instructor in Applied Therapeutics
FREDERICK B. HUMPHREYS, M.D.....Instructor in Pathology
HENRY E. HALE, Jr., M.D.....Chief of Clinic and Instructor in Applied Therapeutics
F. MORRIS CLASS, M.D.....Instructor in Applied Therapeutics
HAROLD B. CURTIS, Ph.D.....Instructor in Mathematics
FRANKLIN C. FETTE, Ph.B.....Instructor in Physical Education
JAMES KIP FINCH, C.E., A.M.....Instructor in Civil Engineering

EDWARD J. FORTIER, A.B.....Instructor in the Romance Languages and Literatures
ARTHUR LOWELL HERRICK, B.S., C.E.....Instructor in Mechanical Engineering
NELS J. LENNES, Ph.D.....Instructor in Mathematics
HENRY H. M. LYLE, M.D.....Instructor in Surgery
CHARLES W. McMURTRY, M.D.....Instructor in Dermatology
ALFRED MICHAELIS, M.D.....Instructor in Otology
ERNEST H. WRIGHT, Ph.D.....Instructor in English
ERNEST D. CLARK, Ph.D.....Instructor in Biological Chemistry
ROBERT A. LAMBERT, M.D.....Instructor in Pathology
DUDLEY S. CONLEY, M.D.....Instructor in Clinical Surgery
MATTHEW L. CARR, M.D.....Instructor in Otology
JAMES G. DWYER, M.D.....Instructor in Bacteriology
ALLEN O. WHIPPLE, M.D.....Instructor in Clinical Surgery
CARL VAN DOREN, Ph.D.....Instructor in English
ARTHUR W. BINGHAM, M.D.....Instructor in Physiology and Assistant in Diseases of Children
HARRY M. KEATOR, M.D.....Instructor in Physiology
WILLIAM K. TERRIBERRY, M.D.....Instructor in Physiology
EDWARD M. SAIT, Ph.D.....Instructor in Public Law
WILLARD L. SEVERINGHAUS, A.M.....Instructor in Physics
WILLIAM HALLER, A.M.....Instructor in English
BURTON W. KENDALL, S.B.....Instructor in Experimental Physics
FRANK L. MASON, E.E.....Instructor in Electrical Engineering
CHARLES HERRMAN, M.D.....Instructor in Diseases of Children
JESSE E. BEANS.....Instructor in Drawing
EDWARDS A. PARK, M.D.....Instructor in Diseases of Children and Assistant in Medicine
BENJAMIN M. ANDERSON, Jr., A.M.....Instructor in Economics
DANIEL ROE AYRES, M.D.....Instructor in Gynecology
RUSSELL L. CECIL, M.D.....Instructor in Clinical Medicine
GERHARD H. COCKS, M.D.....Instructor in Clinical Laryngology
IRVING C. DEMAREST, A.M.....Instructor in Classical Philology
LLOYD L. DINES, A.M.....Instructor in Mathematics
HENRY B. DROWNE, C.E.....Instructor in Highway Engineering
DONALD GORDON, M.D.....Instructor in Physiology
GORDON HARWOOD GRAVES, A.M.....Instructor in Mathematics
JOSEPH C. GREEN, A.M.....Instructor in History
MENAS S. GREGORY, M.D.....Instructor in Psychiatry
ROYAL STORRS HAYNES, M.D.....Instructor in Diseases of Children
EDWARD F. HUMPHREY, A.M.....Instructor in History
LOUIS IMBERT, A.M.....Instructor in the Romance Languages and Literatures
EDWARD CRANE LYON, Jr., M.D.....Instructor in Obstetrics

WILLIAM S. MESSER, A.M.....Instructor in Classical Philology
NATHANIEL R. NORTON, M.D.....Instructor in Diseases of Children
FRANK H. RISTINE, Ph.D.....Instructor in English
J. BETHUNE STEIN, M.D.....Instructor in Genito-Urinary Diseases
ARTHUR W. SWANN, M.D.....Instructor in Medicine
MORRIS F. WEINRICH, A.M.....Instructor in Physics
(143)

Demonstrators

ALFRED J. BROWN, M.D.....Demonstrator of Anatomy
RICHARD DERBY, M.D.....Demonstrator of Anatomy
JOHN C. VAUGHAN, M.D..Demonstrator of Anatomy and Assistant in Surgery
(3)

Lecturers and other Special Officers of Instruction

ABRAHAM YOHANNAN, Ph.D.....Lecturer in Oriental Languages
ERNST D. RICHARD, Pd.D.....Lecturer on the History of German Civilization
WILLIAM S. DAY, Ph.D.....Lecturer in Physics
WILLIAM K. GREGORY, Ph.D.....Lecturer in Zoölogy
RICHARD FRANZ BACH, A.B.....Lecturer in Architecture
NICHOLAS A. KOENIG, Ph.D.....Gustav Gottheil Lecturer in Semitic Languages
FREDERICK A. VANDERBURGH, Ph.D.....Lecturer in Semitic Languages
HAROLD A. CAPARN.....Lecturer in Landscape Architecture
FERRUCCIO VITALE.....Lecturer in Landscape Architecture
FREDERIC LYMAN WELLS, Ph.D.....Lecturer in Psychology
WALTER HENRY HALL.....Conductor of University Chorus
ALEXANDER GOLDENWEISER, Ph.D.....Lecturer in Anthropology
MRS. ESTELLE H. DAVIS.....Lecturer in English in Barnard College
ALBERT E. FLANAGAN, B.S.....Lecturer in Drawing
LEO J. FRACHTENBERG, Ph.D.....Lecturer in Anthropology
FRITZ F. HAHN, Ph.D.....Curator in Palæontology
HENRY G. HARTMANN, A.B.....Lecturer in Philosophy
CLARE M. HOWARD, A.M.....Lecturer in English in Barnard College
CHARLES W. LEAVITT, Jr.....Lecturer in Landscape Architecture
THOMAS REED POWELL, A.B., LL.B.....Lecturer in Public Law
OSCAR H. ROGERS, M.D.....Lecturer on Life Insurance
LUCIAN E. SMITH, B.S.....Lecturer in Architecture
ETHEL STURTEVANT, A.B.....Lecturer in English in Barnard College
(23)

Assistants

PETER IRVING, M.D.....Assistant in Clinical Pathology
CURTENIUS GILLETTE, M.D.....Assistant in Clinical Medicine
EDWARD CUSSLER, M.D.....Assistant in Clinical Pathology

SIDNEY V. HAAS, M.D.....Assistant in Diseases of Children
HERBERT B. WILCOX, M.D.....Assistant in Diseases of Children
FREDERICK JAMES BARRETT, M.D.....Assistant in Clinical Medicine
LILIAN BRANDT, M.A.....Assistant in Social Economy
LEWIS M. SILVER, M.D.....Assistant in Diseases of Children
WILLIAM S. NELMS, A.M.....Assistant in Physics
RANSOM S. HOOKER, M.D.....Assistant in Clinical Surgery
JAMES R. WHITING, M.D.....Assistant in Surgery
BERNARD O. DODGE, Ph.B.....Research Assistant in Botany
FRANK ERDWURM, M.D.....Assistant in Clinical Medicine
ELIZABETH C. COOK, A.M.....Assistant in English in Barnard College
FREDERICK P. WHITAKER, LL.B.....Assistant in Law
ANDREW B. YARD, M.D.....Assistant in Diseases of Children
CARLOTTA J. MAURY, Ph.D.....Assistant in Geology in Barnard College
JOHN F. DASHIELL, A.M.....Assistant in Philosophy
KIRBY DWIGHT, M.D.....Assistant in Surgery
HARRIET RUTH FOX, A.M.....Assistant in English in Barnard College
GRACE HARRIET GOODALE, A.B.....Assistant in Classical Philology in Barnard College
ABRAHAM GROSS, Ph.D.....Assistant in Food Chemistry
JULIAN C. HINES, Jr., M.S.....Assistant in Physics
J. GARDNER HOPKINS, M.D.....Assistant in Clinical Pathology
ARTHUR LEFFERTS HUTTON, M.D.....Assistant in Applied Therapeutics
HENRY JAMES, M.D.....Assistant in Medicine
EDWARD NORRIS MILLIKEN, A.M.....Assistant in Chemistry
CHARLES PACKARD, M.S.....Assistant in Zoölogy
HAROLD PERRINE, A.M.....Assistant in Civil Engineering
ALBERT T. POFFENBERGER, Jr., A.M.....Assistant in Psychology
ANTON R. ROSE, B.S.....Assistant in Biological Chemistry
REUBEN OTTENBERG, M.D.....Assistant in Biological Chemistry
CLAYTON S. SMITH, B.S.....Assistant in Biological Chemistry
E. STAGG WHITIN, Ph.D.....Assistant in Social Legislation
GEORGE A. SCOTT, B.S.....Assistant in Physics
ROBERT G. SNYDER, M.D.....Assistant in Clinical Pathology and in Medicine
HENRY C. THACHER, M.D.....Assistant in Medicine
JOHN W. TODD, A. M.....Assistant in Psychology
ROLLIN C. DEAN, B.S.....Assistant in Zoölogy
EDGAR ALTENBURG, A.B.....Assistant in Botany
HENRY M. BACH, Chem.E.....Assistant in Analytical Chemistry
JOHN S. BATES, B.Sc.....Laboratory Assistant in Engineering Chemistry
HELENE M. BOAS, A.M.....Assistant in Botany in Barnard College
WILLIAM B. BOYD, M.D.....Assistant in Applied Therapeutics
CLEMENT S. BRAININ, A.B.....Assistant in Physics
EDWARD C. BRENNER, M.D.....Assistant in Clinical Medicine

ROBERT W. BRIGGS, C.E.....Assistant in Civil Engineering
EVERETT L. BRUCE, B.S.....Assistant in Mineralogy
JOHN J. COSS, A.M.....Assistant in Philosophy
FRANK R. ELDER, B.S.....Assistant in Organic Chemistry
CHARLES R. FETTKE, A.M.....Assistant in Geology
JOHN C. FRAZEE, A.B.....Assistant in Physics
FRED D. FROMME, B.S.....Assistant in Botany
PAUL C. HAESELER, S.B.....Laboratory Assistant in Chemistry
FERDINAND F. HINTZE, A.M.....Assistant in Palæontology
EMILIE J. HUTCHINSON, A.M.....Assistant in History in Barnard College
FREDERICK R. KELLER, E.E.....Assistant in Electrical Engineering
ALBERT R. LAMB, M.D.....Assistant in Pathology
WILLIAM W. MCKIRAHAN, A.B..Laboratory Assistant in Physical Chemistry
HARRIS MOAK, M.D.....Assistant in Bacteriology
FREDERICK S. NOWLAN, A.M.....Assistant in Mathematics
GEORGE A. PFEIFFER, A.M.....Assistant in Mathematics
ANNABELLA E. RICHARDS, A.B.....Assistant in Chemistry in Barnard College
ALBERT J. SALATHE, A.B...Laboratory Assistant in Inorganic Chemistry
GEORGIANA SANDFORD, A.B.....Assistant in Physics in Barnard College
CARL A. SCHWARZE, A.M.....Assistant in Botany
MONTGOMERY H. SICARD, M.D.....Assistant in Clinical Obstetrics
WILLARD B. SOPER, M.D.....Assistant in Pathology
WILLIAM W. STIFLER, Ph.D.....Assistant in Physics
ARCHIBALD MCI. STRONG, M.D.....Assistant in Medicine
WILBUR D. TUPPER, C.E.....Assistant in Drawing
(71)

CLINICAL ASSISTANTS AT THE VANDERBILT CLINIC

Officers of instruction holding appointments in addition to that of Clinical Assistant are not included in this list. A complete list of the Clinical Assistants in each subject will be found at the head of the appropriate Departmental Statement.

In Medicine

JULIUS W. WEINSTEIN, M.D.
MORRIS D. KELLER, M.D.
J. W. DOUNCE, M.D.
D. CLIFFORD MARTIN, M.D.
ARTHUR MIDDLETON JACOBUS, M.D.
H. AUSTIN COSSITT, M.D.
JOHN MCCABE, M.D.
DAVID S. LIKELY, M.D.
E. GARNSEY BROWNELL, M.D.
M. HEMINWAY MERRIMAN, M.D.
HENRY C. FLEMING, M.D.
BERNARD FRAENKEL, M.D.
ALBERT K. DETWILLER, M.D.
HERMAN FRIED, M.D.
MARKS S. SHAINE, M.D.
CLEMENT C. YOUNG, M.D.
W. J. VOGELER, M.D.
OTTO H. LEBER, M.D.
G. A. FRIEDMAN, M.D.

In Surgery

Noel B. Leggett, M.D. — Rolfe Kingsley, M.D.
Gouverneur M. Phelps, M.D.

In Orthopædic Surgery

Sigmund Epstein, M.D. — William Frieder, M.D.
S. Kleinberg, M.D.

In Neurology

Charles E. Atwood, M.D.
H. R. Humphries, M.D.
E. J. McEntee, M.D.
J. E. Clark, M.D.
J. L. Macumber, M.D.
Christopher C. Beling, M.D.
William V. P. Garretson, M.D.
Smith Ely Jelliffe, M.D.
Abraham A. Brill, M.D.
Robert E. Pou, M.D.
J. C. Fisk, M.D.
Richard H. Macrae, M.D.

In Gynecology

William L. Bradley, M.D.
Henry K. W. Kellogg, M.D.
Augustine W. Roff, M.D.
Walter M. Silleck, M.D.
Clinton B. Knapp, M.D.

In Ophthalmology

Nathan Goodfriend, M.D.
Gerald H. Grout, M.D.
J. O'Connell, M.D.
A. W. Thompson, M.D.

In Laryngology

(Including Diseases of the Larynx, Pharynx, and Nasal Passages)

A. P. Coll, M.D.
John Leshure, M.D.
F. Conger Smith, M.D.
Irving W. Voorhees, M.D.
C. D. Van Wagenen, M.D.
Charles Osgood, M.D.
Charles A. Whiting, M.D.
E. Willis Kobler, M.D.
Edward E. Myers, M.D.

In Dermatology

John Aldrich, M.D.
J. D. Gold, M.D.
George Howard Fox, M.D.
Charles T. Dade, M.D.
S. Dana Hubbard, M.D.
Selden Irwin Rainforth, M.D.
William H. Morrison, M.D.

In Diseases of Children

Ira S. Wile, M.D.
George Augustus Schnepel, M.D.
B. Wallace Hamilton, M.D.
Theodore J. Abbott, M.D.
Lesser B. Groeschel, M.D.

In Genito-Urinary Diseases

Walter B. Brouner, M.D.
Bernard Kohn, M.D.
James Albert Cowan, M.D.
Maynard S. Owen, M.D.
Sidney R. Titsworth, M.D.
George M. Feldstein, M.D.

In Applied Therapeutics

Morris Fink, M.D.
Paul Bartholow, M.D.
Athel C. Burnham, M.D.
Benjamin J. Beck, M.D.
Solomon Beck, M.D.
Edmund M. Devol, M.D.

In Hydrotherapy

Albert J. Wittson, M.D.

In Psychiatry

Abraham A. Brill, M.D.
C. F. Haviland, M.D.
Robert Edward Pou, M.D.

In Otology

Max Nisselson, M.D.
Charles Osgood, M.D.

Columbia University in the City of New York

GENERAL STATEMENT

Historical[1]

On October 31, 1754, Letters Patent were issued incorporating THE GOVERNORS OF THE COLLEGE OF THE PROVINCE OF NEW YORK IN THE CITY OF NEW YORK IN AMERICA, and providing for the establishment of a College to be known as King's College "for the Instruction and Education of Youth in the Learned Languages and in the Liberal Arts and Sciences." The conclusion of the announcement issued in the same year reads: "A serious, virtuous, and industrious Course of Life being first provided for, it is further the Design of this College, to instruct and perfect the Youth in the learned Languages, and in the Arts of Reasoning exactly, of Writing correctly, and Speaking eloquently: And in the Arts of Numbering and Measuring, of Surveying and Navigation, of Geography and History, of Husbandry, Commerce, and Government; and in the Knowledge of all Nature in the Heavens above us, and in the Air, Water, and Earth around us, and the various Kinds of Meteors, Stones, Mines and Minerals, Plants and Animals, and of every Thing useful for the Comfort, the Convenience, and Elegance of Life, in the chief Manufactures relating to any of these things: And finally, to lead them from the Study of Nature, to the Knowledge of themselves, and of the God of Nature, and their Duty to Him, themselves, and one another; and every Thing that can contribute to their true Happiness both here and hereafter." The Revolutionary War interrupted the active work of the College, which numbers John Jay, of the Class of 1764, Robert R. Livingston, of the Class of 1765, and Alexander Hamilton, of the Class of 1774, among its graduates.

In 1784, the Legislature of the State of New York passed an act incorporating the "REGENTS OF THE UNIVERSITY OF THE STATE OF NEW YORK," vesting the property of King's College in the Regents, and changing the name of the College to Columbia College. In 1787, this act was repealed, and an act was passed confirming the Royal Charter

[1] The attention of those interested in the historical development of the University is called to *The History of Columbia University*, 1754–1904 (pp. xiii + 493), published in Commemoration of the One Hundred and Fiftieth Anniversary of the Founding of King's College, by the Columbia University Press, Lemcke and Beuchner, New York, agents, and to various articles in the *Columbia University Quarterly*.

of 1754 and vesting the property and franchises of King's College in "The Trustees of Columbia College in the City of New York."

In 1810, the charter was again amended in certain particulars at the request of the Trustees, and re-enacted, but the corporate title remained and still continues unchanged. The title to all corporate property is vested in a board of twenty-four Trustees, whose term of office is for life, and who form a self-perpetuating body, exercising the power of appointment as to all officers of instruction and administration and general oversight and control of the affairs of the University. In 1909 provision was made for the nomination by the Alumni of six of the twenty-four Trustees (see p. 468).

Organization

In 1896 the title "Columbia University" was adopted for general use, and in 1897 the University removed from its former site to Morningside Heights.

The PRESIDENT has charge of the educational administration of the University and is Chairman of the University Council and of every faculty established by the Trustees. The Treasurer of the corporation elected by the Trustees has charge of the financial administration of the University. The other principal administrative officers are the Deans, and the Director of the Summer Session and of Extension Teaching, who under the general supervision of the President have immediate charge of the Educational work of the University; the Librarian, the Chaplain, the Consulting Engineer, the Secretary of the University, the Registrar, the Bursar, and the Superintendent of Buildings and Grounds.

The UNIVERSITY COUNCIL (see p. 3) is a representative body consisting of the President, the Deans, certain other executive officers, and two members elected from each of the several faculties. Subject to the reserved power of control by the Trustees, it is the function of the Council (*a*) to control the award of the higher degrees, to secure the correlation of courses with a view to increasing the efficiency and enlarging the range of University work, to encourage original research, and to adjust all questions involving more than one faculty; (*b*) to make recommendations, both to the Trustees and to the several faculties, concerning the educational administration of the University, and advise the President upon such matters as he may bring before it; (*c*) to appoint all Fellows and University Scholars and, within the limits of the Statutes, make rules for their government (see page 435).

The University includes the following:

COLUMBIA COLLEGE (see p. 194) offers a program of studies leading to the degrees of Bachelor of Arts and Bachelor of Science.

Emphasis is placed upon the quality of the student's work rather than upon the time spent in residence, and this combined with the close co-ordination of the work of the Summer Session and Extension Teaching with that of the College makes it possible for a well prepared candidate to

complete the requirements for the bachelor's degree in three and one-half or three years. The program provides not only for those students who wish to devote their entire time to undergraduate work, but for those who desire during their collegiate residence to prepare themselves for advanced standing in some professional course of study. As a preliminary to any professional courses the University strongly recommends at least two years of collegiate work, and candidates for professional degrees who are not already college graduates are advised to take advantage of the opportunities offered through Columbia College for a combination of general and professional studies which will lead to the bachelor's degree in arts or science, in addition to a professional degree in law, medicine, mining, engineering, and chemistry, teaching, or fine arts, in six years.

Schools and Faculties

BARNARD COLLEGE (see p. 336), founded in 1889, is a separate corporation. As an undergraduate college for women, however, it bears the same relation to the educational system of Columbia University as does Columbia College for men. The requirements for admission and the standard of scholarship are of the same grade. The students receive their instruction in the Barnard College buildings. The degree of Bachelor of Arts or Bachelor of Science is conferred upon its graduates by the University on the recommendation of the Faculty of Barnard College. (For the regulations governing candidates for an academic degree and a diploma in teaching, see p. 342.)

THE GRADUATE FACULTIES of the University offer advanced courses of study and investigation leading to appropriate degrees and certificates in (*a*) law, (*b*) medicine, (*c*) philosophy, education, philology, and letters, (*d*) history, economics and social science, and public law, (*e*) mathematics and natural science, (*f*) mines, engineering, and chemistry, (*g*) fine arts, and (*h*) pharmacy. Women students are admitted to all graduate courses except in law, medicine, and engineering.

The division of the University into faculties and schools neither controls nor limits the student in his freedom of electing, under one or several of the faculties, courses that lead to the degrees of Master of Arts and Doctor of Philosophy (see p. 188). Advanced courses and opportunities for original research leading primarily to these degrees are offered by:

THE FACULTY OF PHILOSOPHY (see p. 283), in philosophy and education, psychology and anthropology, classical philology, English, comparative literature, and the Germanic, the Romance, and the Oriental languages;

THE FACULTY OF POLITICAL SCIENCE (see p. 280), in history and political philosophy, economics and social science, and public law and comparative jurisprudence;

THE FACULTY OF PURE SCIENCE (see p. 285), in mathematics, astronomy, physics (mathematical and experimental), chemistry, mineral-

ogy, geology, zoölogy, botany, psychology, physiology, anatomy, bacteriology, embryology, biological chemistry, pathology, and engineering in its various branches;

The School of Law (see p. 216), established in 1858, offers a course of three years in the principles and practice of private and public law, leading to the degree of Bachelor of Laws;

The College of Physicians and Surgeons (see p. 230), founded in 1807, offers a course of four years in the principles and practice of medicine and surgery, leading to the degree of Doctor of Medicine;

The School of Mines (see p. 249), founded in 1863, offers four-year courses of study in mining and metallurgical engineering, leading to a professional degree;

The Schools of Engineering and Chemistry (see p. 249), set off from the School of Mines in 1896, offer four-year courses, leading to appropriate professional degrees in chemistry and chemical engineering and in civil, sanitary, electrical, and mechanical engineering; similar courses in forest and agricultural engineering are in process of organization;

The Faculty of Fine Arts (see p. 322), was organized in 1906 and given jurisdiction over the following Schools: Architecture (founded as a department in 1880), Music (founded as a department in 1896), Design (1906); and offers courses of study of indeterminate length, leading to appropriate degrees and certificates in Architecture and Music, and, in co-operation with the National Academy of Design (see p. 330), to a certificate in Design;

Teachers College (see p. 336), founded in 1888 and chartered in 1889, was included in the University in 1898. It is a separate corporation, but takes academic rank in the University system as a professional school for teachers. It offers the following courses of study: (*a*) graduate courses leading to the doctor's or master's diploma; and simultaneously to the doctor's and master's degrees under the faculty of Philosophy; (*b*) professional courses, each of two years, based upon two years of collegiate study, leading to the bachelor's diploma for teachers and supervisors in kindergartens or elementary schools, or for specialists in fine arts, household arts, industrial arts, music, and physical education, and to the degree of Bachelor of Science in Education;

The College of Pharmacy (see p. 388), is, similarly, a separate corporation. It offers University courses leading to the degrees of Pharmaceutical Chemist and Doctor of Pharmacy.

By agreement with the late Joseph Pulitzer of New York, executed July 20, 1903, Columbia University will establish in the future a School of Journalism, for which purpose Mr. Pulitzer has given to the University the sum of one million dollars.

In co-operation with Yale University, courses are offered designed

to prepare students for work in foreign countries, either in the service of the United States Government or otherwise (see p. 281).

A provisional course of study in PREVENTIVE MEDICINE has been approved and the courses will be put into operation when the necessary funds have been made available.

The University maintains a SUMMER SESSION (see p. 398), of six weeks' duration, in which are offered courses that are accepted in partial fulfilment of the requirements of certain academic degrees and of the diplomas in teaching. The same academic standards are maintained as in the courses offered from September to June.

Through its system of EXTENSION TEACHING (see p. 398), the University offers to men and women, especially to those engaged in teaching, who can give only a portion of their time to study, an opportunity to pursue subjects included in a liberal education and to make progress, if they so desire, toward a diploma in teaching or an academic degree.

The several Departments of Study maintained by the University, including Barnard College, Teachers College, and the College of Pharmacy, grouped in divisions, are as follows:

Departments and Division

ANCIENT AND ORIENTAL LANGUAGES AND LITERATURES: Classical Philology, Chinese, Indo-Iranian, and Semitic Languages.

BIOLOGY: Anatomy, Bacteriology, Botany, Physiology, Pathology, Embryology, Biological Chemistry, and Zoölogy.

CHEMISTRY: Chemistry and Biological Chemistry.

EDUCATION (FACULTY OF TEACHERS COLLEGE).

ENGINEERING: Civil Engineering, Electrical Engineering, Mechanical Engineering, and Engineering Drafting.

FINE ARTS (FACULTY OF FINE ARTS): Architecture, English and Comparative Literature, Fine Arts, and Music.

GEOLOGY, GEOGRAPHY, AND MINERALOGY: Geology, Geography, and Mineralogy.

HISTORY, ECONOMICS, and PUBLIC LAW (FACULTY OF POLITICAL SCIENCE): Economics, Social Economy, Sociology and Statistics, History, and Public Law and Jurisprudence.

MATHEMATICAL AND PHYSICAL SCIENCE: Astronomy, Mathematics and Physics.

MEDICINE (COLLEGE OF PHYSICIANS AND SURGEONS).

MINING AND METALLURGY: Metallurgy and Mining.

MODERN LANGUAGES AND LITERATURES: English and Comparative Literature, Celtic, Germanic, and Romance Languages.

PHARMACY (COLLEGE OF PHARMACY).

PHILOSOPHY, PSYCHOLOGY, AND ANTHROPOLOGY: Anthropology, Philosophy, and Psychology.

PHYSICAL EDUCATION: Physical Education.

PRIVATE LAW (FACULTY OF LAW).

Announcements

The Announcements of each College or School, of the Summer Session, of Extension Teaching, and of the several Divisions, are issued annually or biennially in the form of Bulletins of Information, and may be obtained without charge from the Secretary of the University.

GENERAL REGULATIONS

STATUS OF STUDENTS

A student may enter Columbia University as either:

1. A matriculated student accepted by the University as having fulfilled the preliminary qualifications for candidacy for a degree, certificate of proficiency, or diploma. A period of regular attendance upon all stated academic exercises[1] amounting to at least one academic year must be completed by each candidate; or

2. A non-matriculated student, permitted to attend such courses as he may be qualified to take but not regarded as a candidate for a degree, certificate of proficiency, or diploma. Non-matriculated students may, however, receive a formal statement as to the satisfactory completion of any course or courses.

In the announcement of each faculty will be found the conditions governing the admission of matriculated and non-matriculated students to courses under that faculty.

Under the Statutes every student is admitted subject to the disciplinary powers of the University authorities. The President is empowered to administer discipline and to authorize the Deans of the several faculties to do so on his behalf.

REGISTRATION

Before attending any University exercises each student must register, *i. e.*, must present himself in person to furnish the information necessary for the University records and to file a statement of the courses he is authorized to pursue (for the matriculation or registration fee, payable but once, see p. 43). The central office of the Registrar, 201 East Hall, and the offices at the College of Physicians and Surgeons, 437 West 59th Street, at the College of Pharmacy, 115 West 68th Street, and at Barnard College and Teachers College, will be open for registration on February 5 and 6, 1912, from September 18 to September 24, 1912, and on February 4 and 5, 1913. New students may also register on the day following each of these periods. Those unable to complete their registration may file a

[1] Students prevented by conscientious scruples from complying with academic requirements which may be fulfilled only upon days set apart by their church for religious observance, should make application to the appropriate University authority for equitable relief.

provisional statement within the statutory period. Students registering late are charged an additional fee of $5 and are held accountable for absences thus incurred.

Students holding fellowships or scholarships are required to register not later than the date specified in the University calendar; failure to do so may be considered as vacating the fellowship or scholarship.

The requirements for graduation may be completed at any time during the year, but diplomas are issued only at commencement and at the beginning of each half-year.

Withdrawal

An honorable discharge is granted to any adult student in good standing who may desire to withdraw from the University; a minor must submit the written assent of his parent or guardian.

Students withdrawing from the University are requested to notify the Registrar. No application for a return of fees can be considered unless written notice be given at the time of withdrawal.

The Dean of any faculty may for reasons of weight grant a leave of absence to a student in good standing.

FEES

(Exclusive of Barnard College, Teachers College, and the College of Pharmacy.)

The regulations as to fees adopted by the Trustees of Columbia College in the City of New York are at present as follows. They are subject to change by them at their discretion. The President is under instructions to withdraw the privileges of students delinquent in payment after the second Wednesday of each half-year.

(*a*) *For Matriculation or Registration:* Required of all students before entrance, payable but once..... $ 5

For Late Registration (see above)..... 5

For Change of Registration after the second Saturday (in the Schools of Political Science, Philosophy, and Pure Science after the fourth Saturday) of any half-year, for any course or courses added or dropped at any one time..... 1

(*b*) *For Tuition*, payable at the beginning of each half-year:

For Matriculated Students:

In the College, per point (see page 195)..... 5

To be paid for the total number of points[1] for which the student is permitted to register; with extra charges for certain allowed professional courses, not to exceed $50 in any half-year.

In the School of Law.....per half-year 75

[1] A "point" is the equivalent of attendance one hour a week for one half-year in class-room exercises, or two hours a week for one half-year in laboratory exercises.

In the College of Physicians and Surgeons.....per half-year $ 125
In the Schools of Mines, Engineering, and Chemistry (exclusive of certain summer-course fees, see page 46).....per half-year 125
In the Schools of Fine Arts..... " " 75–100
In Architecture the fees are at the rate of $100 per half-year, except that a student who lacks less than 14 points for the degree or certificate is charged at the rate of $7.50 per point. In Music the fees are at the rate of $7.50 per half-year for each hour of attendance a week up to a maximum of $75.
Candidates for the degrees of Master of Arts and Doctor of Philosophy, exclusive of laboratory fees (see page 46) and of charges, not to exceed $50, for certain professional courses.....per half-year 75
With a minimum fee of $150 for courses taken to fulfil the requirements of the degree of Master of Arts, irrespective of the aggregate number of hours occupied by such courses, and irrespective of the regulations governing fees for Summer Session courses taken to fulfil the requirements for that degree, and irrespective of the fees for courses in Extension Teaching.
With a minimum fee of $300 for courses taken to fulfil the requirements of the degree of Doctor of Philosophy, irrespective of the aggregate number of hours occupied by such courses; unless, because of having passed at least one year in graduate study in an approved university, the candidate may be excused from attending for a longer period than one year in Columbia University, in which case the minimum tuition fee is $150.
Candidates for the degrees of Master of Arts and Doctor of Philosophy who have paid the minimum tuition fee may take additional courses at the rate of $5 per half-year hour until the expiration of three years and six years, respectively, from the beginning of their candidacy.
For Non-Matriculated Students (and matriculated students taking part time).
For Tuition, at the rate of $7.50 per half-year for each hour of attendance per week on lectures, or recitations with a maximum fee, exclusive of charges, not to exceed $50, for certain professional courses.....per half-year 75
With the following exceptions:
In the School of Medicine and in the Schools of Mines, Engineering, and Chemistry, the maximum fee per half-year is $125, and in Columbia College and the School of Architecture $100. For other fees see page 46.
For laboratory instruction, except in Columbia College,—

where it is charged for by points,—$7.50 per half-year for each two hours weekly, with a maximum of $25 per half-year when the number of hours weekly of such instruction does not exceed nine, and $40 per half-year when the number of hours weekly exceeds nine.

For all Students, matriculated or non-matriculated, in the Summer Session, for any course or courses aggregating not more than six points ..... $ 30

For courses aggregating more than six points 35–40

For Students in Extension Teaching, in courses that may be taken for credit toward a degree or diploma, per half-year hour (two laboratory hours counting as one) 5

For special fees in courses not so credited see the separately printed Announcement of Extension Teaching. Fees for courses in Extension Teaching to be paid irrespective of the privileges otherwise secured by the payment of a maximum half-year fee.

(*c*) *For Examinations, payable in each case before examination is held:*

For entrance (see pp. 173 *et seq.*) 5

For any deficiency examination or series of deficiency examinations held in the week preceding the opening of the first half-year, for each course 5

with a maximum fee of 25

For a deficiency examination at any other time than in the period designated above, whether taken at the conclusion of a course repeated by the student in addition to his normal schedule (except in Columbia College) or without such repetition, for each course 5

For special examinations at unusual times:

For admission, for the series 5

For removal of deficiencies in course, for each subject 5

For the degree of Doctor of Philosophy 35

(*d*) *For Degrees, payable on or before the ultimate date fixed by the University calendar for the filing of applications for the respective degrees:*

For the Bachelor's degree (not professional or technical) 15

For any professional or technical degree or certificate 25

For the Foreign Service Certificate 10

For the Degree of Master of Arts 25

(*e*) *For Use of the Gymnasium and Baths, and the exclusive use of a locker* 7

Required of all students except the following, who are exempt:

(1) Students in the Graduate Faculties, students in Medicine and Pharmacy, and those in other professional schools who hold an academic degree, and students in Extension Teaching, unless they shall elect to use the privileges of the Gymnasium;

(2) Students who have paid this fee for four years, unless they shall elect to use the privileges of the Gymnasium;
(3) Students presenting the certificate of the Director of the Gymnasium, showing actual physical ability.
Summer Session, optional.. ..... $ 5

For the fees prescribed by the Trustees of Barnard College, Teachers College, and the College of Pharmacy see the separately printed Announcements.

Laboratory and Other Special Fees and Deposits

The Statutes provide that students taking laboratory or field courses or making use of the laboratories may be charged a fee therefor in accordance with a schedule prepared by the department concerned and on file in the Office of the Registrar. A deposit for the use of the apparatus, material, and other like purpose shall also be charged.

Summer Courses in Surveying, Mining, and Geodesy

Laboratory fees, payable on or before the last Saturday in May, are required as follows: Civil Engineering course No. 15, $25, or $7 per survey; No. 25 and No. 27, $15, or $5 per survey; No. 26, $5; No. 28 and No. 71, $10.

Non-candidates, candidates for admission to, and students having entered with, advanced standing, who may be required to attend these courses, and students who fail to complete them in the summer to which they are assigned, are charged in addition tuition fees as follows: No. 15, $35; No. 25, No. 27, No. 28, and No. 71, $25; No. 26, $10. Students entering with credit for part of course 15 shall pay a tuition fee of $10 for each survey. A tuition fee of $6 is required for each survey of courses 25 or 27 taken under similar conditions. In the case of a student registered in Columbia College who has paid an additional fee under the operation of this rule, an equitable credit will be made should he later complete the requirements for a professional degree. In the case of a student admitted to advanced standing the additional fee may be refunded in whole or in part, according to regulations which may be learned from the Registrar.

Candidates for admission to advanced standing who attend the Summer Course in Practical Mining are required to pay therefor a fee of $50. All students attending the Summer Course in Geodesy must pay a fee of $20 for the course.

Deposits for Apparatus Supplies and for Keys to Desks and Lockers

A deposit for the use of lockers, keys, apparatus, material, and the like, ranging from $1 to $40, is required of students in Mines, Engineering, Chemistry, and Architecture. At the end of the year each student will be credited with those articles which he returns in good

order, and the value of those he has injured or broken will be deducted from his deposit. Details may be obtained from the Bursar.

Comparative Statement of Students' Probable Expenses for the Academic Year, October to June

BASED ON STUDENTS' STATEMENTS

	Low	Average	Liberal
Matriculation Fee (First Year)	$ 5	$ 5	$ 5
Tuition Fee[1]	150	150	150
Gymnasium Fee	7	7	7
Books	18	30	40 up
Incidentals	7	15	33 "
Residence Hall (39 weeks)	100	128	180 "
Commons (39 weeks)	150	191	236 "
Clothes and Washing	46	80	125 "
All other expenses	24	57	100 "
Total	$507	$663	$876 up

Residence Halls and University Commons

(See page 53)

COMMITTEE ON EMPLOYMENT FOR STUDENTS

Professor KEMP, Chairman; Professors FISKE, HUNTINGTON, BURDICK, GIDDINGS, and TODD, and the Secretary and Registrar of the University, the Alumni Secretary, and the Secretary of Earl Hall. The Secretary of the Committee is Malcolm M. Roy, A.B., 1909, to whom communications should be addressed. No fees are charged for the Committee's services.

The Employment Committee endeavors to give students who need it the opportunity to earn enough for partial or complete support and to extend assistance in other ways. Some of the openings available are: private tutoring, translating, addressing, sociological work, teaching in evening schools, stenography. During the year 1910–11 the student earnings reported to the Committee amounted to $75,709.45.

Preference is naturally given, in case of a choice of applicants, to those who, as strangers in New York, are not likely to hear of positions through other channels. No prospective student should come to

[1] For Medicine and Mines, Engineering and Chemistry, add $100, and for Architecture add $50. Students in Mines, Engineering, and Chemistry should also make provision for deposits for apparatus ranging from $10 to $40 and for Summer Courses.

Columbia expecting to depend entirely or even largely upon the assistance of the Committee, and every student should be prepared to meet at least the expenses of the first half-year—say $250.

The chiefs of clinic in the Medical School give advice without charge to students on the lists of the Committee.

APPOINTMENT COMMITTEES

The duty of these committees is to assist competent graduates of the University to obtain suitable permanent employment.

The committees keep classified lists of those who wish employment and will be glad to be informed promptly of present or prospective vacancies in positions for which college-trained men or women are eligible.

No fees are charged for any service rendered by either committee.

For positions in Colleges and Universities except in the Department of Education

Professor TOMBO, Chairman; Professors SELIGMAN, CATTELL, TODD, KIRCHWEY, WHEELER, THOMAS, and A. H. THORNDIKE.

Communications in regard to vacancies and recommendations of suitable candidates for the same should be addressed to the Chairman.

For college and university positions in Education, and for Administrative, Supervisory, and Teaching positions in Normal, Secondary, and Elementary Schools and Kindergartens

Professor JAMES E. RUSSELL, Dean of Teachers College, Chairman; Professors DUTTON, KEMP, MCMURRY, SMITH (D. E.), and TRENT.

Communications should be addressed to the Chairman of the Committee, or to its Secretary, Miss I. L. Pratt.

FELLOWSHIPS, SCHOLARSHIPS, AND PRIZES

(See page 432)

RELATIONS BETWEEN THE UNIVERSITY AND OTHER INSTITUTIONS

The educational opportunities of students in Columbia University (including Barnard College, Teachers College, and the New York College of Pharmacy) are increased by the close relations of the University with other institutions of instruction and research.

The Theodore Roosevelt and Kaiser Wilhelm Professorships

The Theodore Roosevelt Professorship of American History and Institutions in the University of Berlin has been endowed by the gift of $50,000 to the Trustees of Columbia University. Appointments are made annually with the sanction of the German Emperor by the Prussian Ministry of Education upon the nomination of Columbia University, but are not confined to members of this University. In succes-

sive years the fields of American history, American constitutional and administrative law, American economic and sociological problems and movements, American education, and American contributions to science, technology, the arts and literature, will be dealt with. The instruction will be given in German in the University of Berlin during each winter semester, and may be repeated in whole or in part elsewhere during the ensuing semester.

The Prussian Ministry of Education has established in Columbia University a corresponding chair of German History and Institutions, to be filled each year by the Trustees of Columbia University upon the nomination of the Prussian Ministry of Education. To this chair the name of the Kaiser Wilhelm Professorship of German History and Institutions has been given, with the approval of the German Emperor.

(See also page 467)

The Visiting French Professorship

By agreement with the Council of the University of Paris there has been established in Columbia University a new professorship to be known as the Visiting French Professorship. The appointment is made each year jointly by the Council of the University of Paris and the Trustees of the University. The Visiting French Professor is to be in residence at the University for three months during the first half-year and to conduct a seminar after the manner of the Conferences of the University of Paris.

(See also page 467)

American Museum of Natural History

The American Museum of Natural History places its collection at the service of advanced students of Columbia University for the purposes of study and research, and provides them with the necessary facilities for work. The Director of the Museum is a member of the Faculty of Pure Science of the University.

National Academy of Design

The agreement of February 5, 1906, between the University and the Academy makes provision for the closest relations between the two institutions in the development of the study of design in New York City. (See page 330.) The President of the Academy is a member of the Faculty of Fine Arts, and the professors in the departments of painting, sculpture, and in the decorative arts are appointed upon the joint recommendation of the President of the University and the Council of the Academy.

Metropolitan Museum of Art

The Metropolitan Museum of Art admits students of Columbia University on presentation of cards of introduction from the Univer-

sity, and gives them special facilities for the study of the objects in the Museum. The Director and Assistant Director are members of the Faculty of Fine Arts.

The New York Botanical Garden

Columbia University has the privilege of conducting university courses in botany at the New York Botanical Garden and of using its laboratories and floral material, and all courses of instruction given there are open to officers and students of the University without charge. The Director is a member of the Faculty of Pure Science. For a description of the equipment of the Botanical Garden, see the statement of the Department of Botany (page 72).

Theological Seminaries

The Union Theological Seminary and the General Theological Seminary, both of which are represented in the University Council, admit students of high standing in the University to certain lectures in their regular or special courses without tuition fee. Libraries of the Seminaries, for reference, are open to all qualified students of the University. Reciprocal advantages are offered by the University to students of the Seminaries who are qualified to register as candidates for the higher degrees. The General Theological Seminary offers a scholarship to graduates of Columbia College.

The University also enjoys reciprocal arrangements with the other theological seminaries in the vicinity of New York—the Jewish Theological Seminary (New York), Drew Theological Seminary (Madison, N. J.), St. Joseph's Theological Seminary (Yonkers, N. Y.), the New Brunswick (N. J.) Theological Seminary, and the German Theological Seminary (Bloomfield, N. J.).

Hospitals

Besides the Vanderbilt Clinic and the Sloane Maternity Hospital, the general and special hospitals of New York afford most important fields for clinical teaching. The College of Physicians and Surgeons is in close alliance with the Presbyterian Hospital (see page 232) and is strongly represented on the staff of many other institutions, and regular clinical instruction at hospitals is made a prominent feature of the program. In many of these hospitals the fourth-year students are admitted as clinical clerks to serve on the house staff.

Other Institutions

For the details of the work preparatory to public service offered by Yale University and Columbia University in co-operation, see page 281.

The Director of the New York School of Philanthropy is a professor in the University, and the same reciprocal advantages for students exist as in the case of the Theological Seminaries.

There are close informal relations between the University and the Hispanic Society of America, the Rockefeller Institute of Medical Research, the New York Zoölogical Garden, the New York Aquarium, and the laboratories at Wood's Hole and Cold Spring Harbor. (For the Libraries of the city, see below.)

PUBLIC LECTURES

In addition to the regular program of studies, arrangements are made for lectures before the members of the University, and in some cases before the public also. (For the list of Lectures given in 1910–11, see the Annual Reports for that year.)

THE LIBRARY

W. Dawson Johnston, A.M., Litt.D., *Librarian*
Frederick C. Hicks, A.M., LL.B., *Assistant Librarian*

Readers' Department:
Reference Division....Isadore G. Mudge, Ph.B., B.L.S., *Reference Librarian*
Loan Division.....Frederic W. Erb, Ph.B., *Supervisor*

Accessions Departments:
Shelf Division.....Frank C. Erb, *Supervisor*
Order Department.....Ethel H. Budington, *Supervisor*
Serial Department.....Anna K. Fossler, A.B., *Supervisor*
Catalogue Department.....Harriet B. Prescott, *Supervisor*
Binding Department.....Thomas P. Ayer, A.B., *Supervisor*

Department Libraries

Teachers College.....Elizabeth G. Baldwin, *Librarian*
School of Law.....J. David Thompson, A.M., B.Sc., *Librarian*
School of Medicine.....G. Summerfield Evans, *Librarian*
Avery Library.....Edward R. Smith, A.B., *Librarian*

Undergraduate Reading-Rooms

Columbia College.....Ralph F. Miller, *Librarian*
Barnard College.....Bertha L. Rockwell, *Librarian*

Collections

The Library contains about 473,000 volumes, exclusive of unbound pamphlets and duplicates, and some 30,000 German dissertations.

Among the notable special collections may be mentioned the Columbiana, 3500 titles; the Phœnix Library, consisting of 7000 volumes, the

gift of Stephen Whitney Phœnix, of the Class of 1859; the Avery Architectural Library, a collection of about 19,000 volumes relating to architecture and decorative art; the Mary Queen of Scots Library, containing 550 volumes, collected and given by General J. Watts de Peyster; the collection of over 1200 volumes by and about Goethe; the Immanuel Kant collection of nearly 1000 volumes; the valuable Townsend Library of National, State, and Individual War Records; the Garden Library, deposited by the Southern Society of New York; the valuable library of The Holland Society of New York, 600 volumes, including the remarkable collection of works of Grotius; the philological library of the late Professor Mortimer Lamson Earle, given by his students and friends—consisting of some 2500 volumes; the library of Henry Livingston Thomas, late Chief Translator of the Department of State, Washington, given by his son, Dr. William S. Thomas—some 9000 volumes; and the Library of the American Mathematical Society, 1500 volumes. The Library is also the depository for the Reform Club of the City of New York.

Reading-Rooms

About 5000 carefully selected reference books and many of the most important works on all subjects, in standard editions, representing the leading authors in all literatures, are placed in the general reading-room, directly accessible to all authorized readers. On the same floor, in the north wing, is the periodical reading-room, where are shelved about 4000 bound volumes of periodicals, and where the current numbers of about 600 periodicals are displayed.

For the convenience of undergraduates of Columbia College, there has been established in Hamilton Hall a College Study. Five thousand carefully selected volumes have been placed in this room, as a reference library.

Connected with the stacks in which are stored the books relating especially to Philosophy, Literature, the Languages, the Sociological and Economic Sciences, Public Law, and History, are twenty special study rooms, open only to authorized readers; thus affording advanced students and investigators in these fields the fullest opportunity to carry on their work in quiet rooms in the immediate vicinity of the literature of the subjects under consideration. The various Science departments have special libraries in close connection with their laboratories and lecture rooms.

The Law Library, the Bryson Library of Teachers College, which is the Educational Library of the University, and the carefully selected reference libraries of Barnard College, the College of Physicians and Surgeons, and the College of Pharmacy, are all available to officers and students of the University. Nearly all of the more private or restricted libraries of the city, such as those of the learned societies, are open to officers and to advanced students introduced by the Librarian of the University.

Catalogues

The general catalogue of the libraries of the University is a record of all books in the possession of the University. In addition to this there are catalogues of department libraries located in department reading-rooms, and a union catalogue which is a record, by authors only, of books not possessed by the University which may be found in the Library of Congress, John Crerar Library, and other libraries. The catalogue of the New York Public Library in the Library building, 42d St. and 5th Avenue, may also be consulted, especially for references to articles in magazines not indexed in the published indexes to periodicals.

Use

All officers, students, and graduates of the University have free access to the Library and may draw books for home use. For further information, consult the *Reader's Manual*, 1911–12.

Officers of the New York University, of the College of the City of New York, of the Normal College, of the Metropolitan Museum of Art, and of the American Museum of Natural History are granted the same Library privileges as are extended to graduates of Columbia University.

Persons of mature years desiring to engage in definite research which cannot be successfully conducted in the public or other libraries of this city will be given the privilege of using this Library in the building, upon filing a satisfactory application, responsibly endorsed. Blank applications will be furnished by the Librarian on request.

The Library is open each week-day (except Labor Day, Thanksgiving, Christmas, New Year's Day, Good Friday, and Independence Day) from 8.30 A.M. until 11 P. M., October-June; and until 10 P.M., July-September.

UNIVERSITY PRESS BOOKSTORE

A University bookstore is maintained under the auspices of the Columbia University Press, where officers and students may purchase books and stationery at stated discounts from list prices.

THE GYMNASIUM

(See page 156)

UNIVERSITY COMMONS

The University Commons, in University Hall, conducted under student management, has accommodations for 450 men, upon a system combining the *table d'hôte* and *à la carte*, the average weekly charge being $4.50. There is also a large buffet lunch-room.

RESIDENCE HALLS

For Men

There are two University dormitories on South Field, with accommodations for 500 men, Hartley Hall, a memorial to the late Marcellus Hartley, and Livingston Hall, named in memory of Robert R. Livingston, of the Class of 1765. Each building is 10 stories in height exclusive of basement, and 137 feet long by 60 feet wide. They are lighted by electricity and heated by steam, and have telephone and elevator service.

The two Halls contain 600 rooms, both single and double, all being outside rooms; their arrangement permits of flexibility in renting the rooms in suites. The average size of the bedrooms is 8 feet by 14.6, of the studies 10 by 14.6; all are nine feet high. Each bedroom has a clothes-closet and an enamelled basin with hot and cold water, and is provided with heavy oak furniture. There are four shower-baths on each floor.

The only entrance to each building for students is on the side facing the campus, and leads directly into an assembly room 60 feet square. This room runs up through two stories and has a large open fireplace opposite the entrance.

The Residence Halls are supervised and controlled by a Council composed of the Consulting Engineer, two University officers, and a representative from each Hall. The Council is assisted by two Committees made up of residents in the Halls.

While Hartley Hall and Livingston Hall are open to all male students of the University, students in Columbia College, in accordance with the desire of the donors, Mrs. Helen Hartley Jenkins and Marcellus Hartley Dodge, '03, are given the preference in the assignment of rooms in Hartley Hall.

The average weekly charge for a single room is $3.30, or $129 for the academic year of thirty-nine weeks. A pamphlet containing floor-plans, charges, and the Hall Regulations may be had upon application to the Secretary of the University. Rooms will be assigned in the order of receipt of written applications to be made on a blank provided by the Superintendent of Buildings and Grounds.

For Women

Brooks Hall, the hall of residence for Barnard College students, is on the north side of 116th Street; it accommodates 90 students. Full information in regard to the situation and cost of rooms, the advance deposit, the charge for electric light, and the residence scholarships is published in a separate pamphlet, to be had on application to the Secretary of Barnard College, or to the Mistress of Brooks Hall, Barnard College, New York City.

Whittier Hall, the dormitory building of Teachers College, is situated on Amsterdam Avenue, between 120th and 121st Streets, and has accommodations for 350 women. Inquiries regarding rooms, board, and the like, should be addressed to the Secretary of Whittier Hall, 1230 Amsterdam Avenue.

Other Living Accommodations

Besides these dormitories, there are many good boarding-houses and apartments near the University. The careful selection, inspection, and registration of such lodgings, have been undertaken, and a card-catalogue is kept at Earl Hall. Many of the Greek-letter fraternities, a list of which will be found on page 56, maintain chapter houses near the University.

PUBLIC WORSHIP AND RELIGIOUS WORK

St. Paul's Chapel, dedicated February 3, 1907, was the gift of Olivia Egleston Phelps Stokes and Caroline Phelps Stokes as a memorial to their parents. The Chapel is in the form of a cross, the greatest length being 122 feet and the width at the transepts 77 feet, and has 1050 sittings.

Service, at which attendance is voluntary, is held every week-day, except Saturday and Wednesday, at noon, the period from 12 to 12.20 being set aside by the University Council for religious exercises. On Wednesday there is a Vesper service at 5.10. Service on Sunday is at 4 o'clock. Organ recitals are also frequently given.

EARL HALL

Earl Hall, the home of the religious, philanthropic, and social organizations and interests of the University, is open from 8.30 A.M. to 10 P.M. daily, to all students without expense, under the direct management of the Secretary of Earl Hall, who is also Secretary of the University Young Men's Christian Association.

The building may not be used for distinctly dogmatic or denominational religious teaching. All organizations the objects of which are to promote the religious and philanthropic life of their student members and of the student body at large have the privilege of holding their meetings in this building. While the social purposes of the Hall are necessarily subordinated to the other uses of the building, the Secretary desires to promote the same type of informal personal and social intercourse that prevails in a good club.

Provision for the regular meetings of student organizations is made on a day-and-hour schedule, without exclusive use of any of the rooms in the following order: societies the purpose of which is (1) primarily religious; (2) primarily philanthropic; (3) primarily literary, and (4) miscellaneous student organizations.

MEDICAL VISITOR

For those who are without local family physicians there is a Medical Visitor (Dr. D. S. D. Jessup, 542 W. 112th St.) whose duties are to render medical assistance to such officers and students as may desire it, either at their homes or elsewhere, at a remuneration to be arranged between himself and individual patients.

STUDENT ORGANIZATIONS

The various student organizations, while self-governing, are subject to the following regulations: The schedules of public contests and performances must be approved by a University Committee; budgets for expenditure are approved and checked by the Comptroller of Student Organizations; the University Committee on Athletics, consisting of three graduates, two students, and two University officers, adopt and administer rules of eligibility not involving questions of scholarship and govern participation in inter-collegiate athletics. Provision is made for the election each year by the student body at large of a Board of Student Representatives. The constitution of this board will be found in the pamphlet on Student Organizations, which may be obtained from the Secretary of the University. The members for the current year are:

Student Board

W. C. PYNE, *Chairman*
H. S. BABCOCK
A. D. ALEXANDER
J. T. KEMP
J. P. WOOD, *Secretary*
H. A. CALAHAN
L. H. ROBINSON
F. W. CULMAN
C. G. SINCLAIR

The members of the University Committee on Student Organizations are:

Professor LORD, *Chairman* (term expires July 1, 1916)
Professor S. A. MITCHELL (term expires July 1, 1915)
Professor FLETCHER (term expires July 1, 1914)
Professor KEMP (term expires July 1, 1913)
Professor HAYES (term expires July 1, 1912)

Greek Letter Fraternities

The following Greek-letter fraternities, given in the order of their establishment, maintain chapters at Columbia University:

Alpha Delta Phi; Psi Upsilon; Delta Phi; Delta Psi; Phi Kappa Sigma; Phi Gamma Delta; Phi Kappa Psi; Delta Kappa Epsilon; Zeta Psi; Beta Theta Pi; Delta Tau Delta; Theta Delta Chi; Phi Delta Theta; Delta Upsilon; Sigma Chi; Sigma Alpha Epsilon; Phi Sigma Kappa; Theta Xi; Alpha Chi Rho; Phi Epsilon Pi; Sigma Nu; Alpha Sigma Phi; Zeta Beta Tau.

DIVISIONAL AND DEPARTMENTAL STATEMENTS

INTRODUCTORY

The courses of instruction are numbered in accordance with a plan uniform throughout the University, and attention is called to the following information which the number assigned to a course will in each case indicate:

Odd numbers indicate the first, even numbers the second-half of the academic year. Courses designated **1–2, 21–22,** etc., run through both half-years; courses designated **1–4, 5–8,** etc., run through two complete academic years. Courses numbered between **1** and **100** are, in general, elementary and may not be offered in fulfilment of the requirements for the higher degrees (A.M. and Ph.D.). Courses numbered from **101–200** are primarily for students who hold a first degree but are open to undergraduates who have completed 64 points (for courses in law 94 points), including all prescribed work. In general no such course may be taken without some elementary training in the same or in some allied subject. Courses from **201–300** are restricted to such graduate students as are qualified to pursue the work to advantage. Seminars are numbered from **301** up. Attention is called to the *Announcement of the Faculties of Political Science, Philosophy, and Pure Science,* and particularly to the fact that the requirements for the higher degrees are based upon subjects and not upon courses. Students who wish to offer a subject either as a major or minor should, before registration, consult the officers of instruction and administration concerned with regard to their selection of courses.

Courses enclosed in brackets are not offered during **1911–12,** and any other course not applied for by at least three candidates for a degree may be withdrawn by the instructor.

Any subject of study not appearing in its alphabetical order may be found through the index.

With the exception of the courses in mines, engineering, chemistry, medicine, and law, all courses numbered over **101** are open to women upon the same terms as to men, unless specific statement is made to the contrary.

Unless otherwise stated, the number of hours given indicates the hours of classroom work (lectures, conferences, and recitations) per

week. When a course involves both classroom work and laboratory or drafting-room work, the former will be indicated by *C* and the latter by *L* and *D*, respectively. In courses in medicine, *D* indicates demonstrations. An "afternoon" implies three hours a day, normally from 1:00 to 4:00.

Students should note the distinction between a department and a school. For instance, there is in the University both a Department of Architecture and a School of Architecture; Departments of Civil, Electrical, and Mechanical Engineering and a School of Engineering. The Departmental Statements which follow have to do only with the giving of the instruction and the opportunities for research in each special branch of study. The information as to the conditions of admission to the courses, and the academic credit to be received therefor, will be found under the information relating to Colleges and Schools, pages 194 *et seq.*, and in the separately printed *Announcements*.

For the courses to be offered in fulfilment of the requirements for the degrees of Bachelor of Arts or Bachelor of Science, see page 195; Bachelor of Laws, see page 217; Doctor of Medicine, see page 239; for the several degrees in mining, engineering, and chemistry, see pages 254-264; and for Fine Arts—architecture, music, and design—see pages 326, 329, and 330.

It is not possible, within the limits of this volume, to give more than the briefest outline of the courses. In some one of the *Bulletins of Information* published by the University, and distributed without charge upon application to the Secretary, a detailed statement will be found of the scope of each course, the manner of treatment, the courses prerequisite, and the like. A list of the *Bulletins* will be found on page 472.

Anatomy

Professor: HUNTINGTON (*Executive Officer*)
Assistant Professors: GALLAUDET and SCHULTE
Associates: STILLMAN and TILNEY
Instructors: MILLER (A. M.), SMITH (C. H.), and STRONG
Demonstrators: BROWN (A. J.), DERBY, and VAUGHAN.

Courses

See introductory paragraphs, page 57

51-52—Vertebrate morphology—Anatomy of the body cavities—Visceral and topographical course—Thorax and abdomen. Lectures combined with demonstrations. 3 hours. Professor HUNTINGTON

53—Cranial morphology—Lectures. 1 hour. Dr. TILNEY

54—Syndesmology, myology, angeiology of head and neck, peripheral nervous system of neck. Demonstrations 1 hour. Professor GALLAUDET

55-56—Demonstrations—Osteology, syndesmology, myology, peripheral nervous system, and angeiology of the extremities. Pharynx, larynx. 2 hours. Drs. STILLMAN and DERBY

Direct connection to subjects treated in laboratory course in dissection, **57-58**

57-58—Laboratory course—Dissection of the human body. 12 hours. Professors HUNTINGTON, GALLAUDET, SCHULTE, associates, and demonstrators

59-60—Laboratory course—Dissection of the human body. 10 hours. Professors HUNTINGTON, GALLAUDET, SCHULTE, associates, and demonstrators

63-64—Demonstrations and conferences—Visceral anatomy. Direct examination and demonstration of the preparations serving to illustrate course **51-52**. 1 hour. Dr. BROWN

65-66—Neurology. 2 hours. Drs. TILNEY and STRONG

67-68—Histology and embryology—Lectures and demonstrations. 3 hours. Professor SCHULTE

69-70—Histology and embryology, laboratory course. 6 hours. Professor SCHULTE, Mr. MILLER, and Drs. STRONG and SMITH

71-72—Histology and embryology. Conferences and demonstrations. 1 hour. Professor SCHULTE, Mr. MILLER, and Drs. STRONG and SMITH

Research

117-118—The laboratory of animal morphology is open for research, under the direction of the professor, to advanced workers. Professors HUNTINGTON, SCHULTE, and staff

Optional Courses

62—Anatomy of mouth, larynx, pharynx, auditory apparatus. 3 hours. Professor GALLAUDET

125-126—Development and comparative anatomy of the heart and vascular system. Professors HUNTINGTON, SCHULTE, and staff

127-128—Development and comparative anatomy of the genito-urinary system. Professors HUNTINGTON, SCHULTE, and staff

129-130—Development and comparative anatomy of the respiratory tract. Professors HUNTINGTON, SCHULTE, and staff

131-132—Development and comparative anatomy of the nervous system. Professors HUNTINGTON, SCHULTE, and staff

133–134—Development and comparative anatomy of the alimentary canal. Professors HUNTINGTON, SCHULTE, and staff

The work in morphology is designed for laboratory exercises of at least two continuous hours, at any one exercise, supplemented in certain courses by demonstration and study of material in the Museum of Human and Comparative Anatomy and the departmental collections.

The time required for the above courses, if offered as minors for the degree of A.M. or Ph.D., or if taken as optionals, unless otherwise specified, is half a day per week from October to April.

The demands on laboratory space and teaching force render it necessary to limit the number of candidates admitted to these courses.

Anatomical Laboratories

The laboratory facilities of the department are very complete. The large general dissecting-room accommodates from 390 to 546 students, working in groups of five or seven at one table.

The laboratory for advanced morphological research occupies the third story of the anatomical building. Every facility for advanced and research work in morphology is here extended. The established connections of the department furnish abundant human and comparative material, both mature and embryonal. The private library of the Professor of Anatomy is at the disposal of advanced workers.

Museum of Human and Comparative Anatomy

Much work has been done in the formation of a Museum of Human and Comparative Anatomy, the ultimate design of which is to present, in as complete a manner as possible, a view of the evolution of the forms of animal life, and of their natural relations both in series of natural groups and in the comparative and relative positions of organs and systems. Even the approximate attainment of this aim will require much time and work, but sufficient progress has been made to enable the department to offer great facilities for study and research. The collection, both as regards groups and the individual preparations, is designed for the illustration of both elementary and advanced courses.

The second floor of the anatomical building has been furnished throughout with suitable exhibition and demonstration stands. It is the intention of the department to install in this space the portion of the collection most used in the medical courses, thus establishing an undergraduate teaching museum which will both increase the efficiency of the sectional demonstrations and render the material upon which they are based available at all times for study and research.

A study-collection of human osteological preparations is so administered as to enable every student to take out the different osteological series and retain them for private study as long as required.

Anthropology

Professors: BOAS (*Executive Officer*), FARRAND, and SAVILLE
Lecturers: FRACHTENBERG and GOLDENWEISER.

Courses

See introductory paragraphs, page 57

1–2—General introductory course. 3 hours. First half-year, Professor FARRAND; second half-year, Professor BOAS

103–104—Prehistoric archæology. 2 hours. Professor SAVILLE and Dr. BERKEY (of the Department of Geology)

105–106—Ethnology—Primitive culture. 2 hours. Professor FARRAND

107–108—Ethnography of America and Siberia. Professor BOAS

[**109–110**—Ethnography of Africa and Polynesia. Professor BOAS]

[**111–112**—The races of Europe. 2 hours. Professor BOAS]

115–116—Archæology of Mexico and Central America. 2 hours. Professor SAVILLE

117–118—American languages. 2 hours. Professor BOAS

129–130—American languages—Advanced course. 2 hours. Professor BOAS

121–122—Anthropometry. *C* 2 hours, *L* 3 hours. Professor BOAS

131–132—Types of primitive social organization. 2 hours. Dr. GOLDENWEISER

133–134—Linguistic problems in anthropology. 2 hours. Dr. FRACHTENBERG

201–202—Research work in anthropology. Professors BOAS, FARRAND, and SAVILLE

301–302—Seminar in ethnology. 2 hours bi-weekly. Professor BOAS

The collections and apparatus of the American Museum of Natural History may be used by students of anthropology.

Summer Session

S1—General introduction. 2 points. Professor KROEBER

S102—Problems and methods. 2 points. Professor KROEBER

Architecture

Professors: HAMLIN (*Executive Officer*) and SHERMAN
Assistant Professors: HARRIMAN and WARREN
Director of Atelier: HASTINGS
Associates: NELSON (F. A.), PRÉVÔT, and VAN PELT
Lecturers: BACH (R. F.), CAPARN, FLANAGAN, LEAVITT, SMITH (E. R.), SMITH (L. E.), and VITALE.

Courses

See introductory paragraphs, page 57

1–2—The elements of architecture. The orders, balustrades, arcades, doors, windows, spires, vaults, domes. 1 hour, and work in drafting-room. Professor HARRIMAN and Mr. FLANAGAN

2*a*—Applied elements—Exercises in application of the orders and other features in elementary design. 15 hours. Professor HARRIMAN and Mr. FLANAGAN

3—Architectural drawing. 15 hours. Professor HARRIMAN and Mr. FLANAGAN

5—Shades and shadows, projections and intersections. *C* 3 hours, *D* 2 hours. Professor SHERMAN

7—Perspective. *C* 2 hours, *D* 2 hours. Professor SHERMAN

8—Descriptive geometry. *C* 5 hours, *D* 4 hours, 16 to 24 plates required. Professor SHERMAN

10—Stereotomy. *C* 1 hour, *D* 2 hours. Professor SHERMAN

11–12—Specifications. *C* 3 hours, *D* 6 hours in alternate weeks. Professor WARREN

13–14—Building materials. *C* 2 hours. Professor WARREN

15–16—Elementary structural design. C 2 hours, *D* 6 hours in alternate weeks. Professor WARREN

17–18—Architectural engineering. *C* 3 hours, *D* 6 hours in alternate weeks. Professor WARREN

21–22—Ancient architectural history. 2 hours. Professor HAMLIN

23–24—Mediæval architectural history. *C* 2 hours, with collateral reading (see 41–42, and 43–44), and 15 hours' original research for six weeks. Exercises in historical design (see 61–64). Professor HAMLIN

24*a*—Research in connection with mediæval architectural history. Professor HAMLIN and Mr. BACH

25–26—Modern architectural history—*C* 2 hours with collateral reading (see 43–44), and 15 hours' research for six weeks (see 26*a*). Exercises in historical design (see 61–64). Professor HAMLIN

26*a*—Research in connection with modern architectural history. Professor HAMLIN and Mr. BACH

31–32—History of ancient ornament. 1 hour. Professor HAMLIN and Mr. BACH

33–34—History of mediæval ornament. 1 hour with exercises in decorative design. Professor HAMLIN

35–36—History of modern ornament. 1 hour with exercises in decorative design. Professor HAMLIN

41–42—Archæology (in French). 2 hours. Mr. BACH

43–44—Historical reading in French and German. 2 hours. Mr. BACH

51–52—Theory of planning and composition. 1 hour. Professor HAMLIN and special lecturers

53—Theory and practice of decorative arts. 1 hour. *C* 1 hour, *D* 2 hours. Mr. BACH and special lecturers.

54—Theory of color. *C* 1 hour, *D* 2 hours. Professor HAMLIN and special lecturers

55—Professional practice. 1 hour. Professor HAMLIN and special lecturers

61–62—Elementary design. 15 hours, first half-year, and for 10 weeks second half-year. Messrs. VAN PELT, NELSON, PRÉVÔT, and L. E. SMITH

63–64—Intermediate design. 15 hours, first half-year, and for 10 weeks second half-year. Messrs. VAN PELT, NELSON, PRÉVÔT, and L. E. SMITH

71–72—Elementary freehand drawing. 6 hours. Professor HARRIMAN

72*a*—Summer work—Drawings and designs to be executed during the summer vacation following the first year of residence

73–74—Intermediate drawing. 4 to 6 hours. Mr. FLANAGAN and Mr. E. R. SMITH

74*a*—Summer work—Drawings and designs to be executed during the second summer vacation

75–76—Drawing from the cast. 4 to 6 hours. Professor HARRIMAN

76*a*—Summer work—Drawings and designs to be executed during the third summer vacation

111–112, 113–114, 115–116—Advanced practice and engineering. *C* and *D* 6 to 12 hours (in connection with **117–118**). Professors BURR, CAMPBELL, LUCKE, WARREN, WILLIAMS, and Mr. MACGREGOR

128*a*—Research—Summer vacation essay; thesis, dissertation, previous to graduation. Professor HAMLIN

161–162—Advanced design. 25 to 30 hours. Messrs. VAN PELT, NELSON, PRÉVÔT, and L. E. SMITH

164—Thesis—Advanced design or research; drawings with accompanying dissertation. 25 hours for 8 to 12 weeks previous to graduation. Professor WARREN, Messrs. VAN PELT, NELSON, and PRÉVÔT

177–178—Advanced drawing—From the antique and from life. 6 hours (at the studios of the National Academy of Design)

211–212, 213–214, 217–218—Graduate practice, and engineering—Original investigations and accompanying reports. 6 hours. Professor WARREN

227–228—Graduate essays—Original research with accompanying reports. 4 to 6 hours. Professor HAMLIN

261–262—Graduate design—Advanced problems, etc. Messrs. VAN PELT, NELSON, and PRÉVÔT

Landscape Architecture

1–2—History and theory of landscape art. *C* 2 hours, *D* 3 hours. Messrs. CAPARN, LEAVITT, and VITALE.

61–62, 63–64—Landscape design, problems. *D* 10 hours. Messrs. CAPARN, LEAVITT, and VITALE

72*a*–76*a*—Summer work—sketches and reports. 4 months' office and field work

161–162—Advanced landscape design, problems. *D* 15–20 hours. Messrs. CAPARN, LEAVITT, and VITALE

164—Graduating thesis in landscape design. Messrs. CAPARN, LEAVITT, and VITALE

Summer Session

sF—Freehand drawing. 2 points. Mr. BEANS

s1—Elements of architecture. Study of the five orders. 3 points. Professor HARRIMAN

Extension

eW1—Freehand drawing. Mr. BEANS

eX1–X2—Elements and applications of algebra, geometry, and trigonometry. Professor HODGE

eZ1–Z2—Mechanics applied to construction. 2 points. Professor BURNSIDE

e1*a*–2*a*—The elements of architecture. 2 points. Professor HARRIMAN

e2—Applied elements. 2 points. Professor HARRIMAN

e3—Architectural drawing. 2 points. Professor HARRIMAN

e5—Shades and shadows. 4 points. Mr. INGLE

e6—Perspective. 4 points. Mr. INGLE

e21–22—Ancient architectural history. 2 points. Mr. BACH

e31–32—History of ancient ornament. 1 point. Mr. BACH

e7–8—Descriptive geometry. 4 points. Mr. HARRINGTON

e11–12—Specifications. 5 points. Mr. HINTERMYER

e13–14—Building materials. 2 hours. 2 points. Mr. HINTERMYER

e23–24—Mediæval architectural history. 2 points. Mr. BACH

Astronomy

Professor: JACOBY (*Executive Officer*)
Assistant Professor: MITCHELL (S. A.).

Courses

See introductory paragraphs, page 57

1–2—General astronomy—Introductory course. 2 hours, and fortnightly evening attendance in the Wilde Observatory. Professor JACOBY

3–4—General astronomy, second courses. 3 hours. Professor MITCHELL

103–104—Spherical and practical astronomy—A more mathematical treatment, including practical use of instruments. 2 hours, and 2 hours' observatory. Professor MITCHELL

105—Geodesy—Brief history of geodetic operations and description of instruments, including their adjustment and use. 3 hours. Professor MITCHELL

106—Geodesy and practical astronomy. 1 hour, and 3 hours' laboratory Professor MITCHELL

S107—Geodesy—Summer course in practical geodesy. Five weeks of practical work in the field. Professors JACOBY and MITCHELL with assistants)

201–202—Advanced spherical and practical astronomy. 2 hours, and 4 hours' observatory work for two years. Professor MITCHELL

205–206—Reduction of photographic star plates. 1 hour, with practical work, for two years. Professor JACOBY

207–208—Method of least squares, with applications to astronomy and geodesy. 1 hour. Professor JACOBY

213–214—Theoretical astrophysics. 2 hours. Professor MITCHELL

Astronomical and Geodetic Equipment

The Wilde Observatory contains an equatorial telescope, with clockwork and accessories. The University has also a very complete collection of instruments for the application of astronomy to geodesy, including a Bamberg universal combined prismatic transit and zenith telescope of 4-inch aperture; a Wanschaff zenith telescope of 8-cm. aperture, suitable for latitude measures of the highest precision; two Wanschaff 8-inch microscope theodolites; two Fauth 8- and 10-inch microscope theodolites; secondary bar base and tape base apparatus, with stretching machines; complete outfit of engineer's instruments, sextants, apparatus for barometric hypsometry, clocks, chronometers, electric chronographs, etc.; five computing machines.

For the advanced study of astronomy proper, there are special facilities including two Repsold measuring machines of the latest type and a large collection of original astronomical photographs suitable for measurement and reduction. These photographs were made by Gill at the Cape of Good Hope, Rutherfurd at New York, Donner at Helsingfors, Henry at Paris, Campbell at Mt. Hamilton, etc. Funds are provided for the publication of researches in astronomical photography. (See University Bibliography.) For research work in astrophysics students have access to the well-equipped laboratories of the Department of Physics, and there is also a collection of spectrograms photographed with the 40-inch telescope of the Yerkes Observatory and machines for measuring them.

In addition, there are a number of unmounted instruments, including Lewis Morris Rutherfurd's famous 13-inch equatorial, with its attachments.

The University Library is especially strong in astronomy. Among other important collections, it contains the private library of the late Dr. Otto Struve, formerly director of the Pulkowa Observatory. There is also a good working library in the department.

Bacteriology

Professor: HISS (*Executive Officer*)
Assistant Professor: WADSWORTH
Instructor: DWYER
Assistant: MOAK.

Close association is maintained between this department and the Departments of Pathology and Clinical Pathology, so as to facilitate instruction and research in these closely allied subjects.

Courses

See introductory paragraphs, page 57

51—Practical instruction in bacteriology and hygiene. 4 hours. Professors HISS, WADSWORTH, and Drs. DWYER and MOAK

201—Special laboratory course in advanced bacteriology and bacteriological technique. Afternoons in November, December, and January. Professors HISS, WADSWORTH, and Dr. DWYER.

203—Laboratory course—as under Course 201—with additional time for the study of known species of bacteria, their chemical products, photomicrography and original investigation. Professor HISS

Summer Session

s51—Practical course in bacteriology. 2 points. Professor WADSWORTH

Research

Research may be pursued in the laboratories of this department by a limited number of properly qualified, advanced workers, under the direction of the Professor.

Equipment

The Department of Bacteriology occupies the western section of the fifth floor of the north wing of the building of the College of Physicians and Surgeons. It comprises a large laboratory for the accommodation of the undergraduate and advanced classes in bacteriology, a research laboratory for special advanced workers, and rooms thoroughly equipped for the preparation of culture media and for the chemical study of bacterial products.

The laboratories are well equipped with all necessary apparatus, animal houses, and cold-storage facilities. A large collection of bacterial species is kept under cultivation.

Biological Chemistry

Professor: GIES (*Executive Officer*)
Assistant Professor: WELKER
Associates: EDDY, FOSTER, and ROSENBLOOM
Instructors: CLARK (E. D.), LOTHROP, MOSENTHAL, and SEAMAN (Teachers College)
Assistants: OTTENBERG, ROSE, SMITH (C. S.), and MILLER (Teachers College)

All courses not otherwise specified are given at the College of Physicians and Surgeons.

See introductory paragraphs, page 57

Organic Chemistry

51—Organic chemistry. (Introductory to Courses **101**, **102**, and **104** in physiological chemistry.) *C* 1 hour, *D* 1 hour, *R* 2 hours, *L* 6 hours. Professors GIES and WELKER, and Mr. SMITH

Nutrition (Physiological and Pathological Chemistry)

101–102—General physiological chemistry (normal nutrition). (Teachers College, Household Arts, 25.) *C* 1 hour, *R* 1 hour and *L* 5 hours. Professor GIES, Miss SEAMAN and Mr. MILLER

104—General physiological chemistry (normal nutrition). *C* 2 hours, *R* 1 hour, and *L* 6 hours. Professors GIES and WELKER, Dr. CLARK, and Messrs. SMITH and ROSE

201–202—Chemistry of digestion, absorption, and assimilation. (School of Pharmacy.) *C* 1 hour. Professor GIES

203–204—General biological chemistry. *C* 1 hour, *L* 4 hours. Dr. EDDY

205–206—Advanced physiological chemistry, including methods of research in nutrition. (Teachers College, Household Arts, 125.) *C* 1 hour, *L* 5 hours. Professor GIES and Miss SEAMAN

207–208—Biochemical methods of research, including clinical method. *C* 1 hour, *L* 7 hours. Professor GIES, and Dr. LOTHROP and Mr. ROSE

209–210—Nutrition in health and disease. *C* 2 hours. Professor GIES

211–212—Nutrition in health (advanced physiological chemistry). *C* 4 hours, *L* 12 hours. Professor GIES, Dr. CLARK, and Mr. ROSE

213–214—Nutrition in disease (general pathological chemistry). *C* 4 hours. *L* 12 hours. Professor GIES

215–216—Advanced physiological and pathological chemistry, including all phases of nutrition. Research 16 hours. Professors GIES and WELKER, Drs. LOTHROP and CLARK, and Mr. ROSE

Toxicological Chemistry

217–218—Effects and detection of poisons, including food preservatives and adulterants. *L* 6 hours. Professor GIES

Botanical Chemistry

210–220—Chemical physiology of plants. *C* 1 hour, *L* 7 hours. Professor GIES and Dr. CLARK. (The course may be taken in whole or in part at the New York Botanical Garden, where Professor Gies is consulting chemist.) See Botany, page 70.

Bacteriological Chemistry

221–222—Chemistry of micro-organisms; fermentations, putrefactions, and enzyme actions in general (introduction to sanitary chemistry). *C* 1 hour. *L* 7 hours. Professor GIES and Dr. CLARK

Sanitary Chemistry

105—Sanitary chemistry. (Teachers College, Household Arts, *26a*.) *C* 1 hour, *L* 3 hours. Professor GIES, Miss SEAMAN and Dr. CLARK

Biochemical Seminar

301—302—The members of the teaching staff and all other investigators in the department meet weekly to discuss results of recent researches in chemical biology. The Seminar is open to all students in the University. **1 hour.** Professor GIES.

Research

Biochemical research may be conducted by advanced workers, independently or under guidance. Professor GIES consults regularly with investigators in the Laboratory of Zoölogy on Tuesday afternoons, and at the N. Y. Botanical Garden on Wednesday afternoons.

Summer Session

s104—General physiological chemistry (normal nutrition). 3 points. Professor GIES and Mr. SMITH

s101—General physiological chemistry (normal nutrition). (Teachers College, Household Arts, S-H. A. 25.) 3 points. Professor GIES and Miss SEAMAN

sA—Nutrition. 2 points. Dr. FOSTER

Library

Professor GIES's library occupies a room adjoining the main laboratory at the medical school and is accessible, by appointment, to all workers in the Department.

Equipment

The headquarters of the Department of Biological Chemistry are situated at the College of Physicians and Surgeons, where eight rooms are well equipped for experimental work in biological chemistry. Two of the rooms are relatively large and will each accommodate about seventy workers at a time. Five smaller rooms are specially fitted up for experimental investigations by advanced students.

The laboratory of physiological chemistry at Teachers College is situated on the fourth floor of the Household Arts building. It contains two rooms that are fully stocked with apparatus and chemicals. The larger of these rooms will accommodate thirty-five workers at a time. The smaller room is intended for research by advanced students.

Special facilities have been provided at the New York Zoölogical Park for research there in biological chemistry under the direction of the head of this department.

The laboratories of the New York Botanical Garden are open to students of biological chemistry.

Biochemical Association

The Columbia University Biochemical Association holds quarterly scientific meetings, which are open to all students in the University.

Botany

Professors: HARPER (*Executive Officer*) and RICHARDS
Associate Professors: CURTIS and MARQUETTE
Assistant Professor: HAZEN
Instructors: DARLING and LATHAM
Research Assistant: DODGE
Assistants: ALTENBURG, BOAS, FROMME, and SCHWARZE.

The undergraduate courses in Botany are designed to give a broad general knowledge during the first year, and to permit some specialization thereafter. Graduate courses imply the completion of the equivalent of two to three years of undergraduate work.

Certain graduate courses at the New York Botanical Garden are also given, either wholly or in part, by members of the Garden staff.

Courses

See introductory paragraphs, page 57

1–2—General botany. *C* 2 and *L* 4 hours. Professor CURTIS, Dr. DARLING

3–4—Plant morphology. *C* 2 and *L* 4 hours. First half-year, algae and fungi. Second half-year, seed plants. Professors HARPER and CURTIS

6—Economic botany. *C* 1, *L* 4 hours. Dr. DARLING

7—Growth and character of timber. *C* 1, *L* 3 hours. Professor CURTIS and Dr. DARLING

101–102—Plant physiology. *C* 1, *L* 4 hours. Professor MARQUETTE

113–114—Morphology of the higher plants. Study of the orders, including the structure and relationship of plants. Professor CURTIS, Dr. DARLING, and Mr. DODGE

116—Mycology. Advanced work on the morphology and physiology of fungi with special reference to forms that cause diseases of plants. Professor HARPER.

117–118—Cytology. General physiology of organisms. Lectures and laboratory work upon the reproduction, irritability, and nutrition of the cell. Professor HARPER

120—Plant reactions. Lectures and demonstrations on the responses of plants to external stimuli. Professor MARQUETTE

201–208—Physiology. Lines of work dealing with various problems in plant physiology, such as the relation of structure and function, growth, the irritable mechanism of the plant, and the permanent adaptive reactions to environmental factors. Professors RICHARDS, CURTIS, and MARQUETTE

209–210—Physiology of nutrition—treated from a chemical standpoint. Professors RICHARDS and GIES

211–212—Plant pathology. Diseases induced by cryptogamic parasites, including work in culture methods. Drs. MURRILL, SEAVER, and HARPER

217–218—Embryology of spermatophyta. With special work during two summers. Professors CURTIS and HAZEN

219–226—Morphology. Work dealing with morphological problems in the various groups of plants. Directed by members of the department and Botanical Garden staff.

227–234—Taxonomy.—Critical study of a family, genus, or other group selected from any division of the plant world. Directed by members of the Botanical Garden staff.

235–238—Plant distribution. Problems dealing with regional botany or plant geography. Professor BRITTON and other members of the staff.

239–240—Developmental taxonomy—Fossil ancestors of some family of plants. Dr. HOLLICK

241–242—Research on the physiology of the cell and reproduction. Professor HARPER

243–244—Plant breeding. Lectures and laboratory work upon the principles of heredity and plant genetics. Mr. STOUT

301–302—SEMINAR for the study of special topics in general physiology and the presentation of the results of investigations. Friday 4–6. Professor HARPER

CONVENTION—A botanical convention is held monthly at the library of the New York Botanical Garden, where members of the staff and students either present the results of their own work or review the progress of botanical research and publication elsewhere.

51–52—Principles of plant morphology and physiology. *C* 2, *L* 4 hours. Professor RICHARDS, Misses LATHAM and BOAS (Barnard)

53–54—General morphology and development of plants—*C* 2, *L* 4 hours. Professor HAZEN and Miss BOAS (Barnard)

55–56—Morphology and classification of spermatophytes—Study of the Natural Orders. *C* 1 hour, *L* 4 or 6 hours. Professor HAZEN

153—Anatomy of vascular plants. *C* 2 and a minimum of *L* 6 hours. Professor RICHARDS and Miss LATHAM (Barnard)

154—Physiology of plants from standpoint of nutrition. *C* 2 and a minimum of *L* 6 hours. Professor RICHARDS and Miss LATHAM (Barnard)

[156—Physiology of plants from standpoint of growth—*C* 2 and a minimum of *L* 6 hours. Professor RICHARDS and Miss LATHAM (Barnard)]

158—Structure and development of algæ—Advanced course. *C* 1, *L* 6 hours. Professor HAZEN (Barnard)

159—Structure and development of fungi—Advanced course. *C* 1, *L* 6 hours. Professor RICHARDS (Barnard)

Courses 158–159 are not usually given the same year.

160—Embryology and laboratory methods. Practice in methods of technique, with the study of the embryology of one or more types. *L* 8 hours with occasional lectures and outside reading. Miss LATHAM (Barnard)

161, 162—Advanced physiology and morphology. Work will be arranged to suit the needs of the students. Professors RICHARDS and HAZEN, and Miss LATHAM (Barnard)

Summer Session

S1–S1*a*—Nature and development of plants. 4 points. Professor CURTIS and Mr. DODGE

S102 or S102*a*—Plant physiology. 4 points. Professor CURTIS and Mr. DODGE

Extension

e1–2—Nature and development of plants. 4 points. Dr. DARLING

e1*a*—2*a*—General botany. 2 points. Professor CURTIS and Dr. DARLING

e3*a*–4*a*—Plant morphology. 2 points. Professor CURTIS and Mr. DODGE

e5–6—Students having completed e1–2, e1*a*–2*a*, e3*a*–4*a*, may register for e5–6. Professor CURTIS

Equipment

The Department of Botany occupies the third floor of Schermerhorn, and the laboratories and lecture-rooms are thoroughly equipped with apparatus and material for morphological, physiological, and cytological work.

Similar opportunities are offered to women in the laboratories at Barnard College.

By the agreement entered into between the University and the Garden, the herbarium and botanical library of the University (except such works as are needed for instruction) have been deposited in the Museum of the Botanical Garden at Bronx Park; the Garden on its part supplies all needed facilities for research for members of the staff and for properly accredited students. This combination of forces not only places the Department of Botany within reach of material, equipment, and collections not otherwise available, but opens up facilities for research work under conditions that are not excelled.

The Museum of the New York Botanical Garden is located in Bronx Park, and its entire upper floor is devoted to research. The physiological and morphological laboratories occupy the western end, and the taxonomic laboratories and herbarium the eastern end. Among the special features provided are to be mentioned the dark rooms, photographic, operating, and balance room, and laboratory for physiological chemistry. Ample opportunity for experimental work is afforded by the open-air plantations and extensive horticultural houses, and the aggregation of collections available for students is exceptionally full in every group of plants.

The library comprises over 20,000 volumes in addition to complete sets of the important botanical journals, which now number over one hundred.

Chemistry

Professors: BOGERT, MORGAN (J. L. R.), SHERMAN (H. C.), SMITH (ALEXANDER) (*Executive Officer*), and WHITAKER

Associate Professor: REIMER

Assistant Professors: BEANS, FREAS, METZGER and TUCKER

Instructors: JOUËT, KELLER, KRESS, MOORE, NEISH, NELSON, and ZANETTI

Assistants: BACH (H. M.), ELDER, GROSS, LOMBARD, MILLIKEN, and RICHARDS

Laboratory Assistants: BATES, HAESELER, MCKIRAHAN, and SALATHE.

Courses

General and inorganic, 1–19; 100–119; 200–219; physical, 20–39; 120–139; 220–239; organic, 40–59; 140–159; 240–259; analytical and food, 60–79; 160–179; 260–279; industrial, 80–99; 180–199; 280–299.

See introductory paragraphs, page 57

Courses given in Havemeyer Hall, numbered between 100 and 200, may be closed to women in the discretion of the Instructor.

A1–A2—General elementary chemistry. *C* 3 hours, *L* 2 hours. Dr. NEISH and Mr. MILLIKEN

3 or 4—General inorganic chemistry. 3 recitations. Professor SMITH

7–8—Inorganic chemistry. *C* 2 hours, *L* second half-year only, 5 afternoons. Professor SMITH

101–102—Advanced inorganic chemistry. 2 hours. Professor SMITH

103–104—Experimental inorganic chemistry. Professor FREAS

107–108—Advanced inorganic chemistry, research. Professor SMITH

207–208—Advanced inorganic chemistry, research. Original investigation and conferences. Professor SMITH

21–22—Elementary physical chemistry. *C* 2 hours first half-year, and 3 hours second half-year, *L* 1 afternoon during second half-year. Professor MORGAN and Assistant

38—Theoretical electro-chemistry. 2 hours. Professor MORGAN

23–24—Physical chemistry, *C* 2 hours, *L* 5 afternoons, second half-year only. Professor MORGAN

26—Physical chemistry for College students. *C* 3 hours. Professor MORGAN

121–122—Physical chemistry, general course. *C* 3 hours, *L* 1 afternoon, first half-year only. Professor MORGAN and Assistant

221–222—Advanced physical chemistry, laboratory course. Conferences, and *L* at least 16 hours. Professor MORGAN

223–224—Advanced physical chemistry, research. Laboratory work and conferences. Professor MORGAN

61 or 62—Qualitative analysis. *C* 4 hours, *L* 15 hours. Professor BEANS, Dr. ZANETTI, Dr. MOORE, and Assistant

67–68—Qualitative analysis for College students. *C* 2 hours, *L* 4 hours. Dr. NEISH and Mr. MILLIKEN

65—Quantitative analysis, inorganic, short course. *C* 2 hours, *L* 6 hours. Professor METZGER and Dr. JOUËT

66—Quantitative analysis, inorganic, for Mining Engineering. *C* 3 hours, *L* 12 hours. Professor METZGER and Dr. JOUËT

71—Quantitative analysis for College students. *C* 2 hours, *L* 6 hours. Professor METZGER

161–162—Quantitative analysis, short course. 1 lecture and *L* 8 hours. Professor METZGER and Mr. BACH

163–164—Quantitative analysis. *C* 4 hours, *L* 12 hours. Professor METZGER and Dr. JOUËT

167–168—Advanced inorganic analysis. *C* 2 hours, *L* 15 hours second half-year for students in the course in Chemistry who elect thesis work in this course. Professor METZGER

261–262—Quantitative analysis—Special methods, gravimetric, volumetric, and electrolytic. Conferences and laboratory work at least 16 hours. Professor METZGER

263–264—Research. Conferences and laboratory work. 20 hours. Original investigation in inorganic analysis or inorganic chemistry. Professor METZGER

171—Organic and sanitary analysis. *C* 4 hours, and *L* 3 to 5 afternoons. Professor SHERMAN and Mr. GROSS

173–174—Advanced organic analysis. *C* 2 hours, and for students who elect thesis work in this course; *L* second half-year, 5 afternoons. Professor SHERMAN

176—Chemistry of food and nutrition. 3 hours. Professor SHERMAN

178—Food chemistry—conferences. 2 hours. Professor SHERMAN

271–272—Special methods of organic analysis and food investigation. Conferences and laboratory work 12 hours. Professor SHERMAN and Mr. GROSS

273–274—Research. Conferences and laboratory work 20 hours. Original investigation in organic analysis or food chemistry. Professor SHERMAN

41–42—Organic chemistry, elementary lecture course. 2 hours. Dr. NELSON

43–44—Organic chemistry, elementary laboratory course. 8 hours. Dr. NELSON and Mr. ELDER

141–142—Organic chemistry. General course. 3 lectures and 1 recitation, *L* first half-year, 4 afternoons. Professor BOGERT, Dr. NELSON, and Mr. ELDER

143–144—Organic chemistry. Conferences, 2 hours, and for students who elect thesis work in organic chemistry; *L* second half-year, 5 afternoons. Professor BOGERT

150—Organic chemistry—The study of organic compounds and reactions with particular reference to their relation to commercial products and manufacturing processes. *C* 2 hours, *L* 9 hours. Dr. NELSON and Mr. ELDER

151–152—Advanced organic chemistry, laboratory course. 6 hours. Professor BOGERT, Dr. NELSON, and Mr. ELDER

243–244—Advanced organic chemistry, research. Professor BOGERT and Dr. NELSON

81–82—Industrial chemistry, general. 3 lectures. Professor WHITAKER and Dr. KRESS

83—Industrial chemistry, advanced. 3 hours. Professor WHITAKER and Dr. KRESS

84—Food chemistry. 3 hours. Professor SHERMAN

88—Industrial chemistry, laboratory practice for students in chemistry. 3 afternoons. Professor WHITAKER, Dr. KRESS

89—Industrial chemistry, laboratory practice for students in chemistry. Special applications. 1 afternoon. Dr. KRESS

93–94—Electro-chemistry. 2 hours, and in the second half-year 5 afternoons. Professor TUCKER

183–184—Industrial electro-chemistry. Lectures and short laboratory course. 1 hour and the equivalent of 14 afternoons' laboratory work. Professor TUCKER

181 or 182—Practical electro-chemistry. 5 afternoons. Professor TUCKER

197—Chemical factory apparatus and machines. 3 hours. Professor WHITAKER

198—Chemical factory management. 3 hours. Professor WHITAKER

295–296—Industrial chemistry, advanced course—Original research. Personal instruction and laboratory work. Professor WHITAKER

281–282—Electro-chemioal research—Original investigations. 16 hours. Professor TUCKER

283–284—Advanced electro-chemical research. Private study and original investigations for two years. Professor TUCKER

80 (*a*)—Factory inspection and summer memoir, 2d year. Professor WHITAKER, Dr. KRESS

80 (*b*)—Factory inspection and summer memoir, 3d year. Professor WHITAKER, Dr. KRESS

H199—Chemistry of bituminous materials. Lectures, demonstrations and seminars. Daily, 2 weeks, beginning December 18, and counting as a 3-hour course. Mr. HUBBARD

H200—Chemistry of bituminous materials, laboratory course. Lectures, laboratory work. Daily, 2 weeks, beginning December 18, and counting as a 3-hour course. Mr. HUBBARD

5–6—General inorganic chemistry. 5 hours. Professor REIMER, Miss KELLER, and Miss RICHARDS (Barnard)

41–42—Organic chemistry, elementary lecture course. *C* 3 hours. Professor REIMER (Barnard)

43–44—Organic chemistry, elementary laboratory course. *L* 6 hours. Professor REIMER (Barnard)

63—Qualitative analysis. *C* 3 hours, *L* 8 hours. Miss KELLER (Barnard)

64—Quantitative analysis. *C* 3 hours, *L* 8 hours. Miss KELLER (Barnard)

105–106—Inorganic chemistry, advanced course. *C* 3 hours, *L* 6 hours. Miss KELLER (Barnard)

[**145–146**—Organic chemistry, advanced course. *C* 3 hours, *L* 6 hours. Professor REIMER (Barnard)]

Journal Club. Professor REIMER and Miss KELLER. 1 hour.

Summer Session

sA—General chemistry. 2 points. Messrs. WILLIAMS, WHITMAN, and PETERSON

s138—Elementary physical chemistry. 2 points. Professor MORGAN

s61 or **s61a**—Qualitative analysis. 6 points. Professor BEANS

s41—Organic chemistry. Aliphatic series. 2 points. Dr. NELSON

s42—Organic chemistry. Aromatic series. 2 points. Dr. NELSON

s43–44a, b, or **c**—Organic chemistry, laboratory course. 6 points. Dr. NELSON

s161–162a or **b**—Quantitative analysis. 6 points. Dr. JOUËT and Mr. BACH

s171a—Food analysis. 2 points. Professor SHERMAN and Mr. MCCRACKAN

s185—Food chemistry and food control. 2 points. Professor SHERMAN

sF—Chemistry of nutrition. 2 points. Professor SHERMAN

s271–272, a, b, c—Problems in food chemistry or organic analysis. 6, 4, or 2 points. Professor SHERMAN and Mr. GROSS

Extension

eA1–A2—General chemistry, college course. 4 points. Dr. NEISH

e3–4—General inorganic chemistry. 3 points. Dr. KRESS

e41–42—Organic chemistry, elementary lecture course. 2 points. Dr. NELSON

e61–62—Qualitative analysis. 4 points. Professor BEANS and Dr. MOORE

Other Courses

For courses in Chemistry given at Teachers College and for courses in Chemistry and Physiological Chemistry given at the College of Physicians and Surgeons and at the College of Pharmacy, see the Table of Contents and the special *Announcements* of these Schools.

Equipment

In Havemeyer Hall the Chemical Department is provided with ample space for its museum, lecture-rooms, and laboratories, and every convenience has been provided for both the instructors and students working in the general or special courses.

There are five chemical lecture-rooms, all fully supplied with apparatus and instruments, the desks being equipped with pneumatic troughs, gas, pressure, exhaust, and electricity. The large chemical lecture-room on the ground floor contains 315 seats.

The Museum of General Inorganic and Organic Chemistry and of the Chemical Arts, a large room occupying the whole left wing of the ground floor, contains the elements and all their more important compounds, inorganic and organic; materials and products illustrating the chemical arts, and numerous models, pictures, and diagrams.

The Qualitative Laboratory has 112 desks, each divided into two sections and each thoroughly equipped.

The Quantitative Laboratory has eighty-eight desks. Attached to the main laboratory is a large, well-equipped balance-room, containing accurate balances, and special rooms, provided with apparatus for gas, water, food, and electrolytic analysis.

The Organic Laboratory has forty large desks, provided with gas, water, exhaust, and electricity, and has special rooms for balances, pressure ovens, glass-blowing, and combustions.

The Laboratory of Industrial Chemistry, for the instruction of students in practical operations and the solution of problems in sanitary chemistry and hygiene, is equipped for the manufacture of pure chemicals from their raw materials on an industrial scale, with fine batteries of steam evaporators, and with steam stills, centrifugals, filter presses, crushers, and the like. It includes a dyeing laboratory with a large stock of dye-stuffs, and with the regular equipment for the practical testing of dyes, including a calico-printing machine. Connected with it is a photometer-room, containing a new and complete outfit for the practical testing of illuminants.

It also includes a laboratory for chemical microscopy, newly equipped with microscopes, polarized light apparatus, camera lucidas, etc., for the practical use of the microscope in chemical operations.

A new Laboratory for Practical Electro-Chemistry has been provided. The equipment consists of special motor-dynamos, one of which

furnishes direct current at low voltages to the students' desks for general electrolytic work; the other provides heavy alternating current to the electric furnace room; this room is furnished with all appliances for electric furnace work. The students' desks are fitted with special switchboards and measuring instruments, and the laboratory has been arranged for carrying on research work in all branches of electrochemistry.

The Laboratory of Physical Chemistry is well equipped with the most recent apparatus adapted to a wide range of experimental work in the branches of heat, light, electricity, etc., as applied to chemical problems.

The Chemical Library in Havemeyer Hall is supplied with an extensive collection of chemical books and journals, and is open from 9.00 A.M. to 5.00 P.M.

The Department of Chemistry at Barnard College has laboratories well equipped with every facility for the proper study of the subjects offered. The desks have water, gas, and electricity. There is a small library of useful reference books in chemistry to which the students have free access during the entire day.

The laboratories and lecture-room of Teachers College are well equipped for illustrating the teaching of Chemistry in secondary and normal schools. In these the chemistry classes of the Horace Mann School receive their instruction, and by observation and practical work in connection with the classes the students in Education 92 are enabled to become familiar with the duties of a teacher of Chemistry.

Chinese

(See p. 142)

Civil Engineering

Professors: BLANCHARD, BURR (*Executive Officer*), LOVELL
Assistant Professors: BLACK, WILLIAMS
Instructors: DROWNE, FINCH and MACGREGOR
Assistants: BRIGGS and PERRINE.

Courses

See introductory paragraphs, page 57

2—Theory of plane surveying. 2 hours. Professor LOVELL, Mr. FINCH and Assistants

15—Surveying practice—five weeks' field work. Professor LOVELL, Mr. FINCH, and Assistants

21—Highway engineering. 2 hours. Professor LOVELL

23—Theory of railroad surveying—for mining engineering students. 2 hours and one afternoon. Professor LOVELL and Mr. FINCH

25—Surveying practice—for civil engineering students,—five weeks' field work. Professor LOVELL, Mr. FINCH, and Assistants

26—Hydrographic surveying—combined with geodetic surveying and together requiring five weeks—for civil engineering students,—two weeks' field and office work. Professor LOVELL, Mr. FINCH, and Assistants

27—Surveying practice—for mining engineering students,—five weeks' field and office work. Professor LOVELL, Mr. FINCH, and Assistants

28—Railroad surveying—for mining engineering students,—three weeks' field and office work. Professor LOVELL, Mr. FINCH, and Assistants

51–52—Theory of railroad surveying—for civil engineering students, 2 hours and one afternoon first half-year, 3 hours and one afternoon second half-year. Professor LOVELL and Mr. FINCH

53–54—Elasticity and resistance of materials of engineering. 5 hours and two afternoons first half, one afternoon only second half. Professors BURR and WILLIAMS, Mr. MACGREGOR and Mr. BRIGGS

55—Standard methods of water analysis. 2 afternoons. Professor BLACK

57a—Statistics and interpretation of water analysis. 20 lectures. Mr. WHIPPLE

57b—Drainage of marshes and lowlands. 10 lectures. Professor BLACK

58—Masonry structures. 3 hours and one afternoon. Professor WILLIAMS

59—Sanitary treatment of water-supplies and of sewage. 2 hours and 2 afternoons in January. Professor BLACK

61—Analytical theory of trusses. 2 hours and 1 afternoon. Professor WILLIAMS

62—Graphic statics—for civil engineering students. 2 hours and one afternoon. Professor WILLIAMS

64—Graphic statics—for mining engineering students. 1 hour and one afternoon. Professor WILLIAMS

71—Railroad surveying—for civil engineering students,—four weeks' field and office work. Professor LOVELL, Mr. FINCH, and Assistants

75—Hydraulics—for civil engineering students. 4 hours. Professor BLACK

76—Hydraulics—for mining engineering students. 2 hours. Professor BLACK

77—Hydraulics—for electrical engineering students. 2 hours. Professor BLACK

78—Hydraulics—for mechanical engineering students. 2 hours. Professor BLACK

85—Foundations. 2 hours and 1 afternoon. Professor BURR

87–88—Design and construction of bridges, roofs, and buildings. 2 hours and 1 afternoon. Professors BURR and WILLIAMS

89–90—Railroad engineering, construction, and operation. 3 hours and 2 afternoons. Professor LOVELL and Mr. FINCH

94—Design and construction of sewers and river and harbor improvements. 2 hours. Professor BLACK

96—Principles of hygiene, sanitary science, and public health. 3 hours.

97—Water-supply and irrigation engineering. 2 hours. Professor BLACK

99–100—Graduation thesis—a project or thesis on some civil engineering subject, approved by the head of the department, is required of every candidate for the degree of Civil Engineer

Summer Courses in Surveying

These courses are conducted during fifteen weeks each summer vacation at a point in the country near Litchfield, Conn., where ample facilities are provided for all requisite operations, and where the topography is admirably adapted to the practical work of surveying. The courses there given are those announced above under the numbers **15, 25, 26, 27, 28,** and **71.** The University issues a special pamphlet with regard to these courses, which may be had upon application to the Secretary.

Advanced Courses

Highway Engineering

101—Economics and design of roads and pavements. Lectures. 2 hours. Professor BLANCHARD

102—Macadam and other roads; block and concrete pavements. Lectures, inspection trips, and reports. 3 hours. Professor BLANCHARD

103—Bituminous surfaces and bituminous pavements. Lectures, inspection trips, and reports. 3 hours. Professor BLANCHARD

104—Highway laws and systems of administration. Lectures, reading, and conferences. 2 hours. Professor BLANCHARD

105—Highway bridges and culverts. Lectures and problems in design work. 1 hour. Professor BURR and Mr. DROWNE

106—Management engineering. Lectures. 1 hour. Mr. DROWNE

107—Mechanical appliances used in highway engineering. Lectures, inspection trips, and reports. 2 hours. Mr. DROWNE

108—Road material laboratory. Lectures and laboratory work. 3 hours. Mr. DROWNE

109—Road surveying and design. Lectures, inspection trips, and design work. Daily, 2 weeks, beginning January 22 and counting as 3-hour course. Mr. DROWNE

110—Street surveying and design. Lectures, inspection trips, and design work. Daily, 2 weeks, beginning January 22 and counting as a 3-hour course. Mr. DROWNE

111—Seminar in highway engineering literature. First session. Reading and conferences. 3 hours. Professor BLANCHARD

112—Seminar in highway engineering literature. Second session. Reading and conferences. 3 hours. Professor BLANCHARD

Minor Subjects

153–154—Elasticity and resistance of materials.

257–258—Elastic and masonry arches. Conferences with reading and design work as required. Based upon Course 58.

275–276—Hydraulics (75 with additional reading).

285–286—Foundations, including theory of earth pressure (85 with additional reading).

287–288—Long-span bridges. Conferences with reading and design work as required. Based upon Courses 87–88.

Major Subjects

259–260—Sanitary engineering. Based upon Course 59.

277–278—Hydraulic engineering, including the hydraulics of rivers and power plants and municipal water-works.

279–280—Municipal engineering, including water-works, sewers and sewage-works, streets, and other public works, and their administration.

289–290—The engineering of structures, including long-span bridges and deep foundations, with methods of building them, and advanced work in elasticity and resistance of materials.

Summer Session

s53—Elasticity and resistance of the materials of engineering. 6 points. Professor WILLIAMS.

Extension

eI–2—Theory of plane surveying. 2 points. Mr. FINCH
eXI–X2—Theory of railroad surveying. 3 points. Mr. FINCH

Equipment

The department possesses an unusually full equipment of engineers' and solar transits, levels, plane tables, compasses, and all accessories, as well as smaller instruments. Current meters, hook gauges, and floats of various types are also used in making observations on the flow in and discharge of rivers and canals. A complete set of sections of iron and steel shapes, models, and photographs of engineering works, together with working plans of the latter, are in the department for the use of students. The hydraulic laboratory affords opportunity for the practical operations of measuring the discharge through weirs and other orifices, the flow through open channels and closed pipes, frictional and other resistances in pipes and open channels, as well as for meter gaugings, and for general hydraulic investigations. The testing work in the mechanical laboratory includes the complete tests of various structural materials in tension, compression, bending, and torsion, including the observation and digesting of all corresponding data.

Classical Philology

Professors: EGBERT, KNAPP, LODGE, MCCREA, MOORE (F. G.), PERRY, WHEELER, and YOUNG (*Executive Officer*).
Associate Professors: OLCOTT and VAN HOOK
Assistant Professor: LOCKWOOD
Associate: SHEAR
Instructors: DEMAREST, GUERNSEY, HIRST, MESSER, STURTEVANT
Assistants: GOODALE and WYE.

Columbia College

See introductory paragraphs, page 57

Greek

1–2—Elementary course. 3 hours. Professor LOCKWOOD
3—Homer, Lucian. 3 hours. Professor YOUNG
4—Lucian, Plato. 3 hours. Professor YOUNG
5—Euripides, Sophocles. 3 hours. Professor PERRY
6—Demosthenes. 3 hours. Professor PERRY
11–12—Prose composition. First course. 1 hour. Mr. DEMAREST

17–18—Prose composition. Second course. 1 hour. Dr. GUERNSEY

25—Æschylus or Sophocles, and Aristophanes. 3 hours. Professor VAN HOOK

26—Thucydides. 3 hours. Dr. GUERNSEY

27–28—Advanced prose composition. 1 session weekly counting as 2 hours. Dr. GUERNSEY

29—New Testament Epistles. 2 hours. Professor YOUNG

30—New Testament Gospels. 2 hours. Professor YOUNG

Latin

A1—Terence, Phormio. Livy (Books XXI–XXII). 3 hours. Professors MCCREA, MOORE, VAN HOOK, LOCKWOOD, Dr. GUERNSEY, Mr. MESSER and Mr. DEMAREST

A2—Horace, Odes and Epodes. Catullus. 3 hours. Professors MCCREA, MOORE, VAN HOOK, LOCKWOOD, Dr. GUERNSEY, Messrs. MESSER and DEMAREST

1—Horace, Satires and Epistles. Tacitus, Germania. 3 hours. Professor LOCKWOOD

2—Juvenal, Pliny. 3 hours. Professor MOORE

11–12—Prose composition. First course. 1 hour. Professor LOCKWOOD

13–14—Prose composition. Second course. 1 hour. Professor MCCREA

15–16—Prose composition. Third course. 1 hour. Professor MOORE

17—Cicero, Tusculans (Book I). Lucretius, selections. 3 hours. Professor MCCREA

18—Plautus (3 plays). Terence (1 play). Seneca (1 play). 3 hours. Professor KNAPP

Teachers College

51–52T—Latin readings. 3 hours. Professor LODGE

Barnard College

Greek

1–2—Beginners' course. 5 hours. Dr. STURTEVANT

3—Plato (selections). Greek life and thought. 3 hours. Dr. HIRST

4—Homer, Odyssey. Greek life and thought. 3 hours. Professor VAN HOOK

5—Euripides, Medea and Alcestis or Iphigenia. 3 hours. Dr. GUERNSEY

6—Herodotus, selections. 3 hours. Dr. HIRST

7—Sophocles, Œdipus Tyrannus and Antigone. 3 hours. Professor PERRY

8—Aristophanes, The Clouds and the Frogs. 3 hours. Professor PERRY

9–10—Greek literature. Lectures and required reading. 3 sessions weekly, counting as 4 hours. Professor VAN HOOK

11–12—Elementary prose composition. 1 hour. Mr. DEMAREST

13–14—Advanced prose composition. 1 hour. Dr. HIRST

19–20—Greek life and thought. 1 hour. Professor VAN HOOK

Latin

A1—Vergil, Eclogues. Ovid, selections. Lectures and readings in Roman life and thought. 3 hours. Professors MOORE, VAN HOOK, Dr. GUERNSEY, Mr. DEMAREST, and Mr. MESSER

A2—Horace, Odes and Epodes, selections. Lectures and readings in Roman life and thought. 3 hours. Professors MOORE, VAN HOOK, Drs. HIRST, GUERNSEY, STURTEVANT, Mr. DEMAREST and Mr. MESSER

B1—Livy. (Books XXI–XXII). Prose composition weekly. 3 hours. Drs. HIRST and STURTEVANT

1—Horace, Sermones. 2 hours. Professor KNAPP

2—Catullus. Martial. 2 hours. Dr. HIRST

3—Terence, Andria and Adelphoe. 2 hours. Dr. STURTEVANT

4—Plautus, Captivi and Mostellaria. 2 hours. Dr. STURTEVANT

5—Tacitus (Annales I–VI). 3 hours. Dr. HIRST

6—Lucretius. 3 hours. Professor MCCREA

9–10—Latin literature. 3 sessions weekly, counting as 4 hours. Professor KNAPP

11–12—Elementary prose composition. 1 hour. Professor KNAPP, Mr. MESSER, and Miss GOODALE

15–16—Intermediate prose composition. 1 hour. Dr. HIRST

17–18—Advanced prose composition. 1 hour. Dr. HIRST

19–20—Roman life and thought. 1 hour. Professor KNAPP

Graduate Courses

Greek

27–28—Advanced prose composition. 1 session weekly. Dr. GUERNSEY

101—Greek literature. Part I: Poetry. 3 hours. Professor WHEELER

115—Greek oratory. Early Attic orators. 3 hours. Professor PERRY

116—Greek oratory. Later Attic orators. 3 hours. Professor PERRY

119—Greek tragedy. 3 hours. Professor WHEELER

120—Greek comedy. 3 hours. Professor YOUNG

253–254—Greek epigraphy. Part I. 2 hours. Professor YOUNG

Teachers College

Education 171–172—Theory and practice of teaching Greek in secondary schools—Lectures, reports, and practical work. 3 hours. Professor LODGE

Latin

119—Prose composition. Advanced course. Latin idiom. 2 hours. Professor MCCREA and Mr. DEMAREST

120—Prose composition. Advanced course. Construction of the paragraph. 2 hours. Professor McCrea and Mr. DEMAREST

151—Roman epigraphy. Introductory course. 2 hours. Professor EGBERT

152—Roman epigraphy. Official and sepulchral inscriptions. 2 hours. Professor EGBERT

205–206—Roman lyric and elegiac poetry. 3 hours. Professor McCREA

239–240—Roman historiography. 3 hours. Professor MOORE

Teachers College

Education 175–176—Theory and practice of teaching Latin in secondary schools—Lectures, reports, and practical work. 3 hours. Professor LODGE

201–202T—Latin conversation. 2 hours. Professor LODGE

Education 275–276—Practicum in Latin. Cæsar and Vergil. 2 hours. Professor LODGE

Classical Archæology

149—Greek archæology. Introductory course. 3 hours. Professors WHEELER and YOUNG

154—Greek archæology. Part II: Sculpture. 3 hours. Professor YOUNG

159—The Acropolis of Athens. 3 hours. Professor WHEELER

155–156—Roman life. 2 hours. Professor LOCKWOOD

Comparative Philology

181–182—Comparative grammar of Greek and Latin. 2 hours. Dr. STURTEVANT

Classical Proseminar

Proseminar in Greek and Latin. 2 hours. One session weekly. Professor KNAPP

Classical Seminar

Greek section. One or more plays of Sophocles or Euripides. 2 hours. One session weekly. Professor PERRY

Latin section. The satires of Horace. 2 hours. One session weekly. Professor KNAPP

Summer Session

Greek

s1—Elementary course. 2 points. Professor MACURDY
s2—Greek drama. 2 points. Professor MACURDY
sY—Xenophon. 3 points. Professor KNAPP

Latin

sX—Elementary course. 2 points. Miss WYE
sZ—Latin prose composition. 2 points. Miss WYE
sA2—Horace. Catullus. 3 points. Professor MOORE
s11–12—Latin prose composition. 2 points. Professor MCCREA
s129—Tacitus. 2 points. Professor MOORE
s131—Vergil's Æneid, Books I–VI. 2 points. Professor MCCREA
s209—Research course in Roman satire. 2 points. Professor KNAPP

Extension

Latin

eA1—Collegiate Latin. Terence, Phormio; Livy (Books XXI–XXII). 3 points. Dr. STURTEVANT

eA2—Collegiate Latin. Horace, Odes and Epodes; Catullus. 3 points. Dr. STURTEVANT

eX1—Elementary Latin. 4 points. Miss WYE
eX2—Cæsar, Nepos, and prose composition. 4 points. Miss WYE
eY1—Ovid and Vergil. 4 points. Miss WYE
eY2—Cicero and Sallust. 4 points. Miss WYE
eY4—Latin prose composition. 2 points. Miss WYE

Clinical Instruction

in Dermatology, Genito-Urinary Diseases, Laryngology, Ophthalmology, Orthopedic Surgery, and Otology. For Clinical Instruction in Medicine, Surgery, Obstetrics, Gynecology, Hydrotherapy, Neurology, and Pediatrics, details will be found under the general heading of these departments.

Professors: BACON, CHAPPELL, DENIG, GIBNEY, HAYDEN, JACKSON (G. T.), KNAPP (A. H.), LEWIS, and SIMPSON

Assistant Professor: WHITMAN

Instructors: BLACKWELL, CARR, COCKS, FROTHINGHAM, HODGSON, HOLDEN, JAEGER, MCMURTRY, MICHAELIS, REYNOLDS, SAUNDERS, STEIN, THURBER, and TYSON

Clinical Assistants

Clinical Assistants:—Orthopedic Surgery—EPSTEIN, FRIEDER, KLEINBERG; *Otology*—CARR, MICHAELIS, NISSELSON, OSGOOD (C.); *Dermatology*—ALDRICH, DADE, FOX, GOLD, HUBBARD, MCMURTRY, MORRISON, RAINFORTH; *Ophthalmology*—GOODFRIEND, GROUT, O'CONNELL, THOMPSON; *Laryngology*—COLL, KOBLER, LESHURE, OSGOOD, MYERS, SMITH (F. C.), VAN WAGENEN, VOORHEES, WHITING; *Genito-Urinary Diseases*—BROUNER, COWAN, FELDSTEIN, KOHN, OWEN, TITSWORTH

Courses

See introductory paragraphs, page 57

Dermatology

51–52—Practical instruction, diagnosis and treatment of the diseases of the skin. Vanderbilt Clinic. 10–12 lessons for each student. Dr. HODGSON

53–54—Practical clinical lectures. 16 lessons for each student. Professor JACKSON

55–56—Histo-pathology of skin diseases (optional). Dr. MCMURTRY

Genito-Urinary Diseases

51–52—Genito-urinary and venereal diseases. Clinical lectures. Vanderbilt Clinic. 1 hour. Professor HAYDEN

53–54—Practical instruction in diagnosis and treatment. Vanderbilt Clinic. 10–12 lessons. Dr. REYNOLDS

55—Hospital clinics. Bellevue Hospital, September to February. Professor HAYDEN

Laryngology

51–52—Practical clinical lectures. 1 hour. Professor SIMPSON

53–54—Practical clinical instruction in the use of instruments. 12 lessons for each student. Dr. THURBER

55–56—Individual clinical demonstrations, special attention being given to the questions of general diagnosis, differential and bacteriological diagnosis, and treatment. Dr. FROTHINGHAM

57–58—Operative clinics at the Manhattan Eye, Ear, and Throat Hospital. Professor CHAPPELL and Dr. COCKS

Ophthalmology

52—Clinical lectures upon the diseases of the eye. Vanderbilt Clinic. 1 hour. Professor KNAPP

53–54—Practical instruction at the Vanderbilt Clinic. 10–12 lessons for each student. Drs. HOLDEN and TYSON

56—Hospital clinics. N. Y. Ophthalmic and Aural Institute. Professor KNAPP

57–58—Hospital clinic. German Hospital. Professor DENIG

Orthopedic Surgery

51–52—Clinical lectures in orthopedic surgery and diseases of the joints. Vanderbilt Clinic. 1 hour. Professor GIBNEY

53–54—Practical instruction. 8 lessons for each student. Hospital for Ruptured and Crippled. Professor WHITMAN

55–56—Practical instruction. 8 lessons for each student. Vanderbilt Clinic. Dr. JAEGER

59–60—Operations. Hospital for Ruptured and Crippled. Professor GIBNEY

Otology

51—Didactic instruction in pathology and therapeutic methods. 16 lectures. Professor BACON

53–54—Practical instruction in the diagnosis of the diseases of the eye. Vanderbilt Clinic. 10–12 lessons. Drs. SAUNDERS, MICHAELIS, and CARR

55–56—Operative clinics. New York Eye and Ear Infirmary. Professors BACON and LEWIS

Clinical Pathology

Professor: WOOD (F. C.) (*Executive Officer*)
Assistant Professor: VOGEL
Instructor: JESSUP
Assistants: CUSSLER, HOPKINS, IRVING, and SNYDER

Close association is maintained between this department and the Departments of Pathology and Bacteriology and Hygiene, so as to facilitate instruction and research in these closely allied subjects.

See introductory paragraphs, page 57

Courses

52—Systematic instruction in clinical pathology. 4 hours for half the academic year. Professors WOOD and VOGEL, Drs. JESSUP, IRVING, and HOPKINS

53–54—Practical exercises in clinical pathology. Vanderbilt Clinic laboratory. 10 hours for one fourth of the academic year. Professors WOOD and VOGEL, Drs. CUSSLER and SNYDER

200—Special laboratory course in clinical pathology. Professor Wood and Vogel

Research

Qualified workers may pursue research either in the laboratory of Clinical Pathology on the fourth floor of the north wing of the College building, in the Vanderbilt Clinic laboratory, or in the Pathological laboratories of St. Luke's Hospital. Professors Wood and Vogel

Summer Session

s52 and 200—Clinical pathology. 2 points. Professors Wood and Vogel

Equipment

Systematic instruction in clinical pathology is given in the west lecture-room on the fifth floor of the Vanderbilt Clinic building. Students are furnished with apparatus sufficient to enable them to carry out such tests as are necessary for the exposition of the subject; and demonstrations are made of special methods and more complicated apparatus. In order to permit the student to make independently such examinations as are needed in the diagnosis and treatment of disease, a new laboratory has been erected between the Vanderbilt Clinic and the Sloane Maternity Hospital, with accommodations and apparatus for twenty workers. In this laboratory the students make examinations of the secretions and excretions of patients from the clinical courses at the Vanderbilt Clinic and the hospitals

Comparative Literature

(See p. 107)

Design

For list of officers and other information see Faculty of Fine Arts

1–2—History of art—Collateral reading and research. 4 hours. Professors Alexander and Dow and Mr. E. R. Smith

101–102—History of art—Advanced reading and research. 8 hours. Professors Alexander and Dow and Mr. E. R. Smith

Diseases of Children

Professor: Holt (*Executive Officer*)
Associates: Berg (H. W.) and La Fetra
Instructors: Bartlett, Haynes, Herrman, Norton, and Park
Assistants: Bingham, Haas, Silver, Wilcox, and Yard
Clinical Assistants: Wile, Schnefel, Hamilton, Abbott, Groeschel

Courses

See introductory paragraphs, page 57

51—Clinical lectures. Vanderbilt Clinic. 1 hour. Professor HOLT

52—Didactic lectures. 1 hour. Professor HOLT

53–54—Hospital clinic—Foundling or Babies' Hospital. 3 hours. Professor HOLT

55–56—Examination and diagnosis of the diseases of children. Vanderbilt Clinic. 10–12 lessons. Dr. HERRMAN and Assistants

57—A weekly recitation in pediatrics. Dr. BARTLETT

59–60—Bedside instruction in contagious diseases. Riverside, Willard Parker, and Scarlet Fever Hospitals. Drs. BERG and HAYNES

61–62—Practical clinical instruction—Bellevue Hospital Out-Patient Department. Drs. LAFETRA and WILCOX

Post-Graduate Instruction

A limited number of students will be received in this department for post-graduate instruction.

No students will be admitted for less than one half the academic year.

The instruction will include clinical work in general diagnosis and treatment of diseases of children in the wards of the Babies' and Foundling Hospitals, in the Children's Ward of Bellevue, and in the Vanderbilt Clinic, together with special instruction in contagious diseases at Willard Parker and the Scarlet Fever Hospitals, and opportunities for witnessing post-mortem examinations.

Domestic Art and Domestic Science

Some eighty courses in these and related fields are provided by the School of Household Arts of Teachers College and described in the special circular of that School and in the general *Announcement of Teachers College.*

Drafting

Associate Professor: MAYER (*Executive Officer*)
Assistant Professor: MILLER
Instructors: BEANS, HARRINGTON
Assistant: TUPPER

Courses

See introductory paragraphs, page 57

1, 2—(*a*) Elements of mechanical drawing; freehand lettering; (*b*) Projections; (*c*) Machine drawing—sketches, tracing; (*d*) Topography.

1 hour and 14 hours drafting. Professors MAYER, MILLER, Mr. HARRINGTON, Mr. BEANS, and Mr. TUPPER

3, 4—Descriptive geometry—Problems on point, line, and plane; tangent planes; intersections; developments; warped surfaces. 3 hours. Professors MAYER, MILLER, Mr. HARRINGTON, and Mr. BEANS

5, 6—(*a*) Graphics—Shades and shadows; perspective; (*b*) Stone-cutting. 6 hours. Professors MAYER, MILLER, and Mr. HARRINGTON

7, 8—(*a*) Structural drawing; (*b*) Machine drawing. 6 hours. Professors MAYER, MILLER, and Mr. HARRINGTON

Summer Session

sT—Mechanical drafting. Teachers' course in mechanical drafting. 2 points. Professor MAYER

s1–2—Mechanical drafting. 3 points. Professor MAYER

s3–4—Descriptive geometry. 2 points. Professor MAYER

s5–6 and 7–8—Advanced mechanical drafting. 3 points. Professor MAYER

Extension

e1–2—Mechanical drafting. 2½ points. Mr. HARRINGTON

e3–4—Descriptive geometry. 2 points. Mr. HARRINGTON

e5—Graphics. 3 points. Mr. HARRINGTON

e8—Specialized engineering drafting. (*a*) Structural drafting. (*b*) Machine drafting. 3 points. Mr. HARRINGTON

Economics and Social Science

Professors: CLARK, DEVINE, GIDDINGS, LINDSAY, MOORE (H. L.), SEAGER, and SELIGMAN (*Executive Officer*)
Associate Professors: MUSSEY and SIMKHOVITCH (V. G.)
Assistant Professors: AGGER, CHADDOCK, and TENNEY
Associates: BAYLES and SIMKHOVITCH (M. K.)
Instructor: ANDERSON
Assistants: BRANDT and WHITIN

Political Economy and Finance

See introductory paragraphs, page 57

A1–A2—Outlines of economics—Practical economic problems. Recitations, lectures, and essays. 3 hours. Professors MUSSEY and AGGER, and Dr. ANDERSON (Barnard College)

1–2—Introduction to economics—Practical economic problems. 3 hours. Professors SELIGMAN, MUSSEY, AGGER, and Dr. ANDERSON

3–4—Money and banking. 2 hours. Professor AGGER

101—Science of finance—I: Public revenues. 2 hours. Professor SELIGMAN

102—Science of finance—II: Public expenditures, public debts, and the budget. 2 hours. Professor SELIGMAN

104—Commerce and commercial policy. 2 hours. Professor MUSSEY

105—The labor problem. 2 hours. Professor SEAGER

This course is also given at Barnard College as a three-hour (four point) course (117)

106—The trust and corporation problem. 2 hours. Professor SEAGER

107—Fiscal and industrial history of the United States. 2 hours. Professor SELIGMAN

108—Railroad problems, economic, social, and legal. 2 hours. Professor SELIGMAN

109—History of socialism. 2 hours. Professor SIMKHOVITCH

114—Marx and post-Marxian socialism. 2 hours. Professor SIMKHOVITCH

117—The labor problem. 3 hours. Professor SEAGER (Barnard)

201—Economic readings—I: Classical English economists. 2 hours. Professor SEAGER

202—Economic readings.—II: Contemporary economists. 2 hours. Professor SEAGER

[**203**—History of economics to Adam Smith. 2 hours. Professor SELIGMAN]

[**204**—History of economics since Adam Smith. 2 hours. Professor SELIGMAN]

206—Economic theory. Conditions of economic progress. 2 hours. Professor CLARK

211—Statistical economics. I. 2 hours. Professor H. L. MOORE

212—Statistical economics. II. 2 hours. Professor H. L. MOORE

[**241**—Economic and social evolution of Russia since 1800. 2 hours. Professor SIMKHOVITCH]

242—Radicalism and social reform as reflected in the literature of the nineteenth century. 2 hours. Professor SIMKHOVITCH

301—Seminar in political economy and finance. 2 hours. Professors SELIGMAN and SEAGER

302—Seminar in political economy and finance. 2 hours. Professors SELIGMAN and SEAGER

303—Seminar in political economy and finance. 2 hours. Professors SIMKHOVITCH and MUSSEY

304—Seminar in political economy and finance. 2 hours. Professors SIMKHOVITCH and MUSSEY

Summer Session

S1—Principles of economics. 2 points. Professor MUSSEY

S104—Commerce and commercial policy. 2 points. Professor MUSSEY

S108—Transportation. 2 points. Professor MEEKER

S112—Money and Banking. 2 points. Professor MEEKER

S20—Accounting. 2 points. Professor HATFIELD

S120—Corporation finance. 2 points. Professor HATFIELD

Sociology and Statistics

151—Principles of sociology: analytical and descriptive. 2 hours. Professors GIDDINGS and TENNEY

152—Principles of sociology: historical. 2 hours. Professors GIDDINGS and TENNEY

251—Social evolution: ethnic and civil origins. 2 hours. Professor GIDDINGS

252—Social evolution: civilization, liberty, and democracy. 2 hours. Professor GIDDINGS

255—Theory of statistics—Lectures and laboratory. 2 hours. Professor CHADDOCK

256—Social statistics—Lectures and laboratory. 2 hours. Professor CHADDOCK

257—Historical types of society, ancient: the theory of progress. 2 hours. Professor GIDDINGS

258—Historical types of society, modern: the theory of progress. 2 hours. Professor GIDDINGS

259—Ecclesiology. 1 hour. Dr. BAYLES

311—General seminar. Sociological theory: historical. 2 hours. Professors GIDDINGS and TENNEY

312—General seminar. Sociological theory: systematic. 2 hours. Professors GIDDINGS and TENNEY

315—Seminar in modern problems of social evolution. 2 hours. Professor TENNEY

317—Advanced seminar. Problems and methods of sociological research. 2 hours. Professor GIDDINGS

318—Advanced seminar. Dissertations in preparation. 2 hours. Professor GIDDINGS

319–320—The relation of social theory to public policy. 2 hours. Professor GIDDINGS

Summer Session

s101—Principles of sociology, analytical. 2 points. Professor WARD

s102—Principles of sociology, historical. 2 points. Professor GIDDINGS

s311—General seminar. Problems and methods. 2 points. Professor GIDDINGS

Social Economy

111—The industrial family. 2 hours. Mrs. M. K. SIMKHOVITCH (Teachers College)

112—Social progress in cities. 2 hours. Mrs. M. K. SIMKHOVITCH (Teachers College)

281—Misery and its causes. 2 hours. Professor DEVINE

282—Efficiency and relief. 2 hours. Professor DEVINE

283—Social legislation: (I) Workshop and factory. 2 hours. Professor LINDSAY

284—Social legislation: (II) Humane legislation. 2 hours. Professor LINDSAY

[285—The standard of living. 2 hours. Miss BRANDT]

[286—Social aspects of crime and abnormality. Professor DEVINE]

287—Social legislation: (III) Urban and rural community life. 2 hours. Professor LINDSAY

288—Social legislation: (IV) Methods and tendencies in lawmaking. 2 hours. Professor LINDSAY

321–322—Seminar in social economy. 2 hours. Professor DEVINE

323–324—Seminar in social legislation. 2 hours. Professor LINDSAY

Equipment

The Library facilities are unexcelled. Every journal of importance, American or foreign, dealing with economics or social science, is taken regularly by the Library. Any book needed by advanced students can usually be bought at once. The special library of history and political science alone comprises more than eighty thousand volumes.

Students of economics and social science will find New York a centre of library facilities unrivalled elsewhere in this country. In addition to the University Library, there are rich treasures at the New York Public Library on the Astor, Lenox, and Tilden foundation, New York Historical Library, Long Island Historical Library, Library of the New York School of Philanthropy, the Bar Association Library, and the Law Institute Library, to each of which students have access under favorable conditions. Advanced students also have at their disposal the library of the McVickar Professor of Political Economy,

which contains the most complete collections of works on earlier economics to be found in the United States.

The facilities offered to students of sociology and social economy include a large library of general and special works, and unusual opportunities for field work. A generous gift for works on sociology has provided a very complete equipment of publications on sociological theory, the history of the family, pauperism, crime, and penology. Arrangements have been made with the Charity Organization Society, the State Charities Aid Association, the University Settlement, the East-Side House, and the Brooklyn Bureau of Charities by which students can become fully acquainted with actual work among the people and with the most perfect methods.

The Statistical Laboratory, conducted by Professor H. L. Moore, is equipped with the Hollerith tabulating machines, comptometers, and all other modern facilities.

Students also have the privilege of attending all of the courses in the School of Philanthropy conducted by the Charity Organization Society.

Education

Teachers College is the Division of Education of Columbia University. In the section of the Catalogue devoted to Teachers College (see Table of Contents) will be found a list of its officers and a statement of its equipment for instruction and research in education.

All Teachers College courses are open to men and women on equal terms. For the significance of course numbers see page 57.

A full statement of the nature of each of the following courses, the work prerequisite to it, and the credit which may be received for it in partial fulfilment of the requirements for the several degrees and diplomas, and similar statements concerning nearly 200 semi-professional courses offered by Teachers College, but not listed here, will be found in the current edition of the Announcement of Teachers College.

History of Education

B—History and principles of education. 3 hours. Professors MONROE, SUZZALLO, GOODSELL and KILPATRICK

B (*a* and *b*)—History of education—Special sections for students in Household and Industrial Arts. 2 hours.

Bc—Principles of education. 1 hour. Professor KILPATRICK

103–104—Educational theories of Herbart and Froebel. 2 hours. Professor KILPATRICK

[**109–110**—Social and philosophical foundations of Greek and Roman education. 2 hours.]

201–202—History of education—Special graduate section of course **B**, above. 2 hours. Professor MONROE

203–204—Practicum—History of education in the United States. 2 hours. Professor MONROE

[209–210—Practicum—History of education in England. 2 hours. Professor MONROE]

303–304—Seminar—The historical foundations of modern education. Professor MONROE

Philosophy of Education

B (*c*)—Principles of education. 1 hour. Professor SUZZALLO

[6—Logic as applied to problems of teaching. 2 hours. Professor DEWEY]

7—Social life and the school curriculum. 2 hours. Professor DEWEY

105–106—Philosophy of education. 2 hours. Professor MACVANNEL

107–108—Educational sociology. 2 hours. Professor SUZZALLO

205–206—Practicum—Philosophy of education. 2 hours. Professor MACVANNEL

207–208—Practicum—Educational Sociology. 2 hours. Professor SUZZALLO

[209—Practicum—Historic relations of philosophy and education. 2 hours. Professor DEWEY]

305–306—Seminar—Philosophy and sociology of education. Professors MACVANNEL, DEWEY, and SUZZALLO

Educational Administration

111–112—School administration. 2 hours. Professor DUTTON

113—Comparative education. 3 hours. Professor FARRINGTON

115–116—Organization and administration of school systems. 2 hours. Professor STRAYER

213—Practicum—Comparative education. 2 hours. Professor FARRINGTON and Dean RUSSELL

215–216—Practicum—Administration of public education in the United States. 2 hours. Professor STRAYER

311–312—Seminar—Educational administration. Dean RUSSELL and Professors DUTTON, STRAYER, and FARRINGTON

Educational Psychology

A—General and educational psychology. 1 hour lectures. 2 hours conferences. Professors THORNDIKE, NORSWORTHY, RUGER, and Dr. WHITLEY

19–20—Readings in educational psychology. 2 hours. Professor NORSWORTHY

21–22—The psychology of childhood. 2 hours. Professor NORSWORTHY

24—The psychology and education of exceptional children. 2 hours. Professors THORNDIKE and NORSWORTHY

117–118—The applications of experimental and physiological psychology to education. 2 hours. Professor RUGER

121–122—Educational psychology, advanced course. 2 hours. Professor THORNDIKE

124—The psychology of the elementary school subjects. 2 hours. Professor THORNDIKE

221–222—Educational psychology. 2 hours. Professor THORNDIKE

223–224—Practicum—The application of psychological and statistical methods to education. 2 hours. Professor THORNDIKE

321–322—Seminar—Genetic and comparative psychology. Professor THORNDIKE

Secondary Education

125–126—Secondary education, general course. 3 hours. Professor SACHS and Miss STEVENS

127–128—Secondary education, advanced course. 3 hours. Professor SACHS and Miss STEVENS

[129—Secondary education in Germany. 2 hours. Professor SACHS]

225–226—Problems in secondary education. 2 hours. Professor SACHS

229–230—Practicum—Secondary education. 2 hours. Professor SACHS

325–326—Seminar in secondary education. Professor SACHS

153–154—The teaching of biological sciences in secondary schools. 3 hours. Professor BIGELOW and Miss BROADHURST

154 (*a*)—Biology as related to education. 2 hours. Professor BIGELOW

253–254—Practicum in the teaching of biological sciences in secondary and normal schools. 2 hours. Professor BIGELOW

161–162—The teaching of English in secondary schools. 3 hours. Professor BAKER

261–262—Practicum in the teaching of English in secondary schools. 2 hours. Professor BAKER

63–64—Theory and practice of teaching art. 3 hours. Professor DOW

[163–164—Supervision of fine arts. 2 hours. Professor DOW]

165–166—The teaching of French. 3 hours. Professor COHN

167–168—The teaching of geography. 3 hours. Professor DODGE and Miss KIRCHWEY

267–268—Practicum in geography. 2 hours. Professor DODGE

169–170—The teaching of German in secondary schools. 3 hours. Professor BAGSTER-COLLINS

269–270—Practicum in German. 2 hours. Professor BAGSTER-COLLINS

171–172—The teaching of Greek in secondary schools. 3 hours. Professor LODGE

173–174—The teaching of history in secondary schools. 3 hours. Professor JOHNSON

273–274—Practicum in history. 2 hours. Professor JOHNSON

175–176—The teaching of Latin in secondary schools. 3 hours. Professor LODGE

275–276—Practicum in Latin—Cæsar and Vergil. 2 hours. Professor LODGE

375–376—Seminar—Problems in Latin syntax. Professor LODGE

179–180—The teaching of mathematics in secondary schools. 3 hours. Professor SMITH and Mr. BRECKENRIDGE

279–280—Practicum in the history and teaching of mathematics. 2 hours. Professor SMITH

379–380—Seminar in the history and teaching of mathematics. Professor SMITH

81–82—The teaching of school music. 3 hours. Professor FARNSWORTH

181–182—Supervision of school music. 2 hours. Professor FARNSWORTH

87—Personal hygiene. 3 hours. Professor WOOD

88—Institutional hygiene. 3 hours. Professor WOOD

189–190—The teaching of physical education. 3 hours. Professor WOOD, and Assistants

289–290—Practicum in physical education. 2 hours. Professor WOOD

191–192—The teaching of physical science in secondary schools. 3 hours. Professor WOODHULL

291–292—Practicum in physical science. 2 hours. Professor WOODHULL

Elementary Education

131–132—Theory and practice of teaching in elementary schools. 5 hours. Professors HILLEGAS, BAKER, DODGE, SMITH, BIGELOW, and JOHNSON

131*ab*–132*ab*—Theory and practice of teaching in elementary schools. First half of above course. 2 hours. Professor HILLEGAS

133—Criticism and supervision of instruction in the elementary school. 2 hours. Professor MCMURRY

231—Criticism and supervision of instruction in the elementary school. 3 hours. Professor MCMURRY

233–234—Practicum—Current problems in elementary education. 2 hours. Professor HILLEGAS

333–334—Seminar. Professors McMURRY and HILLEGAS

61—The teaching of English in elementary schools. 1½ hours. Mr. BRIGGS

63–64—The teaching of art. 3 hours. Professor Dow

[163–164—Supervision of fine arts. 2 hours. Professor Dow]

68—The teaching of geography. 2 hours. Miss KIRCHWEY

71–72—Encyclopedia of elementary mathematics for teachers. 2 hours. Professor UPTON

81–82—The teaching of school music. 3 hours. Professor FARNSWORTH

83–84—Elementary course in music education for students of piano. 1½ hours. Mr. CADY

181–182—Supervision of school music. 2 hours. Professor FARNSWORTH

183—The teaching of nature-study. 3 hours. Professors BIGELOW and WOODHULL and Miss BROADHURST

87—Personal hygiene. 3 hours. Professor WOOD

88—Institutional hygiene. 3 hours. Professor WOOD

189–190—The teaching of physical education. 3 hours. Professor WOOD, and Assistants

Kindergarten Education

41–42—Kindergarten principles. 2 hours. Professor FULMER

45–46—Theory and practice of kindergarten teaching. 2 hours. Professor FULMER

47–48—The primary school: its methods and subject matter. 2 hours. Miss MOORE

49–50—Literature in the kindergarten and primary grades. 2 hours. Miss MOORE

49*a*–50*a*—One-half of the above course. 1 hour. Miss MOORE

141–142—Relationship of the kindergarten to the primary school. 2 hours. Miss MOORE

141*a*–142*a*—Relationship of the kindergarten to the primary school. 1 hour. Miss MOORE

143–144—Kindergarten conference. 3 hours. Professor HILL

145–146—Curricula for kindergarten normal schools and problems in kindergarten supervision. 3 hours. Professor HILL

Seven other, introductory, courses in kindergarten are also given.

Religious Education

Education 51—The Sunday School. 2 hours. Professor COE

Education 52—The training of Sunday-School teachers. 2 hours. Professor COE

Education 151—The psychology of religion. 2 hours. Professor COE

Education 152—The theory of religious education. 2 hours. Professor COE

Education 249—Selected topics in applied psychology. 2 hours. Professor COE

Education 251–252—Practicum. The psychology of mysticism. 2 hours. Professor COE

Technical Education

Education 2—Principles of teaching. 2 hours. Professors MCMURRY, SUZZALLO, and BONSER

Education 155–156—The teaching of household arts. 2 hours. Professors KINNE and COOLEY, Miss CORA WINCHELL and Miss FLORENCE WINCHELL

Education 157–158—Supervision and critic teaching in the household arts. 2 hours. Professors KINNE and WOOLMAN

Education 257–258—Practicum in household arts. 2 hours. Professors KINNE and WOOLMAN

Education 160—Teaching in industrial and trade schools for women. 2 hours. Professor WOOLMAN

Education 73–74—Teaching in training schools for nurses. 2 hours. Professors NUTTING and BIGELOW and Miss STEWART

Education 75—History of nursing. 1 hour. Professor NUTTING

Education 76—Training school administration. 1½ hours. Professor NUTTING and Miss GOODRICH

Education 186—Nurses' education. Professor NUTTING

Education 1—Problems of technical education.

Education 86—Teaching and administration in district nursing. 1 hour. Miss WALD, Miss CRANDALL, and other Lecturers

Education 177–178—Teaching industrial arts. 3 hours. Professors BONSER and NOYES, Mr. WEICK and Mr. SLEFFEL.

Electrical Engineering

Professors: [1] CROCKER, SLICHTER (*Executive Officer*)
Assistant Professors: ARENDT, MORECROFT
Instructors: HEHRE, MASON
Assistant: KELLER

Professors M. I. PUPIN and W. A. WILLS of the Department of Physics give instruction in electro-mechanics to the Electrical Engineering students.

See the statement of the Department of Physics.

[1] Absent on leave 1911–12

Courses

For the significance of course numbers see page 57

2—Elements of dynamo-electric machinery. 2 hours. Professors ARENDT and MORECROFT, Messrs. HEHRE and MASON

4—Electric distribution, for Civil, Mechanical, Mining, and Metallurgical Engineering students. 2 hours. Professor ARENDT and Mr. HEHRE

52—Design of direct-current machinery. 2 hours and 1 afternoon. Professor ARENDT

54—Design of alternating-current machinery. 2 hours and 1 afternoon. Professor SLICHTER

72—Direct-current laboratory—Short course for students in Mining, Civil, Metallurgical, Sanitary, and Chemical Engineering. 1 afternoon. Messrs. HEHRE, MASON, and KELLER

73—Direct-current laboratory—Short course for students in Mechanical Engineering. 1 afternoon. Messrs. HEHRE, MASON, and KELLER

75—Alternating-current laboratory—Short course for students in Mining, Metallurgical, and Mechanical Engineering. 1 afternoon. Professor MORECROFT and Messrs. HEHRE, MASON, and KELLER

76—Alternating-current laboratory. Same as E. E. 75. For students in Civil Engineering. 1 afternoon. Professor MORECROFT and Mr. MASON

98—Thesis—Original work and report on a subject approved by the head of the department. Optional

101—Generator and motor practice—Principles, construction, operation, and testing. 3 hours. Professor SLICHTER and Mr. HEHRE

103—Electric motor—Electric motors, their action, control, and application. 3 hours. Professor ARENDT

103A—Electric motors—103 abridged for Mechanical Engineering students. 2 hours. Professor ARENDT

104—Electric distribution—Principles and methods of transmitting and distributing direct and alternating currents. 3 hours. Professor SLICHTER

105—Alternating-current engineering. 3 hours. Professor SLICHTER

105A—Alternating-current engineering—105 abridged for Mechanical Engineering students. 2 hours. Professor SLICHTER

106—Electric plants—Operation, organization, and administration. 2 hours. Professors SLICHTER and ARENDT and special lecturers

107–108—Plant inspection. 2 hours. Professors SLICHTER and ARENDT

109–110—Telegraphy and telephony. 1 hour. Professor ARENDT

112—Electric railways—Their design, installation, and operation. 2 hours. Professor SLICHTER

112A—Electric railway—**112** abridged for students in Civil Engineering. 2 hours. Professor SLICHTER

173–174—Direct-current laboratory—Practice in the use of instruments and in the operation and testing of direct-current dynamos and motors. 2 afternoons. Messrs. HEHRE and KELLER

175–176—Alternating-current laboratory—Practice in the use of instruments and in the operation and testing of alternating-current generators, motors, and transformers. 1 hour and 1 day. Professor MORECROFT

177—Instrument laboratory Electrical measurements, storage-battery testing, photometry of electric lamps. 1 hour and 2 afternoons. Mr. MASON

For **Mechanics 107, 108, 109, 111,** see Physics, page 159.

Summer Session

s2—General principles of electricity and magnetism. 5 hours. Professor MORECROFT

Equipment

The offices, laboratories, museums, and lecture-rooms of the Electrical Engineering Department are in the southern portion of the Engineering Building.

The laboratories located in the basement contain direct and alternating-current machinery and apparatus. The various machines in these laboratories are respectively examples of constant-potential generators, constant-current arc-lighting dynamos, many types of stationary and railway motors, and motor-dynamos. Complete sets of ampere, volt, and watt meters, speed indicators, transmission and absorption dynamometers are available for testing the various generators and motors.

The alternating-current apparatus includes single-phase and polyphase generators, induction and synchronous motors, rotary converters, mercury arc rectifiers, and various types and sizes of transformers. Test boards and complete sets of alternating-current measuring instruments and curve-tracing apparatus, such as an oscillograph and ondograph, are also provided.

The lecture-rooms are provided with an ample supply of electrical currents of different forms, and other facilities for experimental demonstrations. The museum contains collections of apparatus, models, and materials relating to electrical engineering.

The large instrument laboratory on the third floor contains various forms of galvanometers, ampere balances, potentiometers, standard cells and resistances, measuring apparatus, laboratory standard volt and ammeters, as well as the high-tension testing sets. A storage battery is provided for testing, calibration, and standardization purposes.

The photometric laboratory of this department is situated in the basement of Havemeyer Hall and it is equipped with various forms of photometers for gas, arc, and incandescent lamp testing.

English and Comparative Literature

Professors: BAKER, BALDWIN, BREWSTER, FLETCHER, GILDERSLEEVE, KRAPP, MATTHEWS, ODELL, SYKES, THORNDIKE (A. H.) (*Executive Officer*), and TRENT

Associate Professors: ERSKINE, HUBBARD, and LAWRENCE

Assistant Professors: AYRES, LATHAM, and TASSIN

Associate: WEEKS (M. F.)

Instructors: HALLER, RISTINE, STEEVES, VAN DOREN, WRIGHT, and DAVIS

Lecturers: HOWARD and STURTEVANT (E.)

Assistants: COOK and FOX

English

For the significance of course numbers see page 57

A—English composition. 3 hours. Professor ERSKINE, Messrs. STEEVES and Dr. VAN DOREN (Columbia College); Professors BALDWIN and HUBBARD, Miss WEEKS, Miss HASKELL, Mr. HALLER, Miss COOK, and Miss FOX (Barnard College)

B—English literature and composition. 2 hours (Columbia); 3 hours (Barnard). Professors ODELL and ERSKINE, Dr. WRIGHT and Messrs. STEEVES, and Dr. VAN DOREN (Columbia); Professor BALDWIN, Mr. HALLER, Miss COOK, Miss HOWARD, and Miss FOX (Barnard)

1–2—English composition—Daily themes and fortnightly essays, lectures, and consultations. 3 hours. Professor TASSIN (Columbia), Professor BALDWIN (Barnard)

7–8—Vocal training and elocution. 2 hours. Professor TASSIN (Columbia and Barnard)

11–12—Public speaking. 3 hours. Professor TASSIN (Columbia)

15–16—English versification. 2 hours. Professor BRANDER MATTHEWS (Columbia)

17–18—English modern literature. 2 hours. Mr. STEEVES and Dr. VAN DOREN (Columbia)

19–20—American literature. 2 hours. Professor BRANDER MATTHEWS (Columbia)

[**21–22**—English literature from 1780 to 1830. 3 hours. Professor ODELL (Columbia)]

Courses 21–22 and 23–24 are given in alternate years.

23–24—English literature from 1830 to 1890. 3 hours. Professor ERSKINE (Columbia)

[**25–26**—English literature from 1557 to 1660. 3 hours. Professor ERSKINE (Columbia); Professor TRENT (Barnard)]

Courses 25–26 and 27–28 are given in alternate years.

27–28—English literature from 1660 to 1780. 3 hours. Professor ODELL (Columbia), Professor TRENT (Barnard)

29–30—English literature from the earliest period to the Norman conquest. 3 hours. Professor AYRES (Columbia), Professor KRAPP (Barnard)

[**31–32**—English literature from the Norman conquest to 1550. 3 hours. Professor AYRES (Columbia and Barnard)]

Course 31–32 is not given at Columbia in 1911–12.

33–34—English literature in the nineteenth century after 1830. 3 hours (Barnard). Professor HUBBARD

35–36—Shakespeare. 2 hours. Professor LAWRENCE (Columbia); 3 hours. Professor GILDERSLEEVE (Barnard)

[**37–38**—Types of literature, prose and verse. 2 hours. Professor BREWSTER (Barnard)]

[**39–40**—The development of English fiction. 2 hours. Professor BRANDER MATTHEWS (Columbia)]

41–42—The development of the English drama. 2 hours. Professor ODELL (Columbia) and Professor TASSIN (Barnard)

45–46—English literary criticism. 2 hours. Professor HUBBARD (Barnard)

201—English composition. 2 hours. Professor BALDWIN

[**203–204**—Studies in English style. 2 hours. Professor KRAPP]

205–206—Development of English prose from Wiclif to Bacon. 2 hours. Professor KRAPP

207–208—History of the English language. 2 hours. Professor KRAPP

212—English sounds. A course in the phonetic history of the language. 2 hours. Professor KRAPP

[**213**—Historical English grammar. 2 hours. Professor KRAPP]

215—Anglo-Saxon prose. 2 hours. Professor AYRES

[**216**—Caedmon and Cynewulf. 2 hours. Professor LAWRENCE]

218—Beowulf. 2 hours. Professor LAWRENCE

[**219–220**—Middle English language and literature. 2 hours. Professors KRAPP and AYRES]

[**222**—History of Anglo-Saxon literature. 2 hours. Professor AYRES]

227–228—Chaucer. 2 hours. Professors AYRES and LAWRENCE

229–230—Non-dramatic literature in the sixteenth century. 2 hours. Professor FLETCHER

[**231–232**—English literature in the seventeenth century. 2 hours. Professor TRENT]

233–234—English literature in the eighteenth century. 2 hours. Professor TRENT

235–236—English literature, 1798–1832. 2 hours. Professor THORNDIKE

[**239–240**—English literature in the Victorian period. 2 hours. Professor THORNDIKE]

241–242—The development of the drama. 2 hours. Professor BRANDER MATTHEWS

[**247–248**—English comedy: its history and its methods. 2 hours. Professor BRANDER MATTHEWS]

[**249–250**—Shakespeare as a playwright. 2 hours. Professor BRANDER MATTHEWS]

[**251–252**—The English drama from the beginning to 1642. 2 hours. Professor THORNDIKE]

253–254—Textual criticism of Shakespeare's plays. 2 hours. Professor THORNDIKE

[**258**—The English lyric in the sixteenth and seventeenth centuries. 2 hours. Professor ERSKINE]

[**261–262**—English prose in the eighteenth century. 2 hours. Professor ODELL]

263–264—English prose in the nineteenth century. 2 hours. Professor ODELL

267–268—American literature. 2 hours. Professor ERSKINE

301–302—Seminar—Studies in the Elizabethan drama. 2 hours. Professor THORNDIKE

303–304—Seminar—Studies in the seventeenth century. Professor TRENT

305–306—Seminar—Studies in Middle English literature. 2 hours. Professors LAWRENCE and AYRES

309–310—Seminar—Discussion of dissertations. Professors TRENT, FLETCHER, THORNDIKE, LAWRENCE, and AYRES

311—Seminar in linguistic problems. 2 hours. Professor SCHICK

Undergraduate Courses in Teachers College

51–52—English speech. 2 hours. Professor LATHAM

53–54—English usage. 2 hours. Professor BAKER

55–56—Nineteenth century writers. 3 hours. Professor SYKES

59–60—Typical forms of literature. 2 hours. Professor BAKER

61–62—Reading and story telling. 2 hours. Professor LATHAM

63–64—Reading and speaking. Advanced course. 2 hours. Professor LATHAM

Comparative Literature

271–272—Medieval literature: ballad and epic. 2 hours. Professor LAWRENCE

[**273–274**—Medieval literature: romances. 2 hours. Professor LAWRENCE]

275–276—Dante and medieval culture. 2 hours. Professor FLETCHER

281–282—The Renaissance in Europe: introductory course. 2 hours. Professor FLETCHER

285–286—Classicism in the seventeenth and eighteenth centuries. 2 hours. Dr. RISTINE and Dr. VAN DOREN

287–288—The romantic movement. 2 hours. Dr. WRIGHT

291–292—Molière and the Restoration comedy. 2 hours. Professor BRANDER MATTHEWS

[**293–294**—Dramatists of the nineteenth century. 2 hours. Professor BRANDER MATTHEWS]

295—Heroes of old Teutonic poetry. 2 hours. Professor SCHICK

307–308—Relations between English and Continental literatures in the sixteenth century. Professor FLETCHER

Summer Session

sA1—Rhetoric and English composition. 2 points. Professor DENNY, Mr. HALLER, and Miss LAPE

sB2—English composition. 2 points. Dr. WRIGHT and Mr. HALLER

s1—Advanced composition. 2 points. Professor MEAD
This course is limited to 20 students.

s19—New England writers. 2 points. Professor CAIRNS

s23—English literature in the first half of the nineteenth century. 2 points. Dr. WRIGHT

s27—English literature in the eighteenth century. 2 points. Professor DENNY

s35—Shakespeare. 2 points. Professor AYRES

s61—Elements of oral expression. 4 points. Professor DAVIS and Mr. JOHNSON

s62—Vocal interpretation of English classics. 4 points. Professor DAVIS and Mr. JOHNSON

s63—Platform speaking. 4 points. Professor DAVIS and Mr. JOHNSON

s130—Chaucer. 2 points. Professor AYRES

s227—Chaucer. 2 points. Professor MEAD

s241—The beginnings of a national literature in America. 2 points. Professor CAIRNS

s251—The English drama from the beginning to 1642. Professor THORNDIKE

Extension

eV1–V2—English for foreigners. Mr. DUNCAN

eW1–W2—English grammar and composition. Business English. Mr. DUNCAN. Also in Newark. Mr. PIFER

eX1–X2—College entrance English. Mr. GASTON

eY1–Y2—College entrance English. Mr. MITCHILL

eA1–A2—English composition. 3 points. Dr. WOLFF. Also in Newark. Mr. PIFER

eA3–A4—Composition and rhetoric. 1½ points. Dr. WOLFF

e17–18—Modern literature, English and foreign. 2 points. Mr. STEEVES

e1a–2a—English composition. Advanced. 1½ points. Dr. WOLFF

e1b–2b—English composition. The short story. Mr. PITKIN

e1c–2c—English composition (advanced). The short story. Mr. PITKIN

e9–10—The English language and modern English grammar. 2 points. Professor GRIFFIN

e11a–12a—Public speaking. 2 points. Mr. DOW

e19–20—The history of American literature. 2 points. Dr. VAN DOREN

e23a–24a—The history of English literature. 2 points. Professor TUCKER

e35a–36a—Shakespeare. 2 points. Professor TASSIN

e41a–42a—Contemporary dramatic literature. 2 points. Mr. HAMILTON

e41b–42b—Technic of the drama. History and theory of dramatic composition. 2 points. Mr. TYNAN

e51a–52a—Voice and oral reading. 1 point. Miss Cook

e59a–60a—Typical forms of literature. 2 points. Mr. PIFER

e61a–62a—Oral composition in elementary schools. 1 point. Miss COOK

Fine Arts

(See Architecture, Music, and Design)

In addition eighteen courses in Fine Arts are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special circular of the department.

See also the Statement of the School of Fine Arts, page 322.

French

(See Romance Languages and Literatures)

Geography

Professor: DODGE
Instructor: KIRCHWEY (C. B.)

Courses

See introductory paragraphs, page 57

1–2—General geography. 3 hours. Professor DODGE and Miss KIRCHWEY

53–54—Continental geography for schools. 2 hours. Miss KIRCHWEY

55—Geography for primary grades. 2 hours. Miss KIRCHWEY

56—Man and his environment. 2 hours. Professor DODGE

57—Elements of industrial geography. 3 hours. Professor DODGE

101–102—The geography of the United States and Western Europe. 2 hours. Professor DODGE and Miss KIRCHWEY

See also Education 68, 167–168, 267–268

Summer Session

s58—Commercial and industrial geography. 2 points. Professor CALKINS

Equipment

The Department of Geography occupies a suite of three rooms on the fourth floor of Teachers College. A lecture-room and laboratory capable of holding fifty, an office, and a combined office and stock-room compose the suite. The department is furnished with lantern slides, models, and wall maps; and has a set of the more important weather instruments in an outdoor shelter. The supply of topographic, climatic, and special maps, of diagrams, of physical models, and of lantern slides is large, and has been especially chosen for use in the several courses announced above.

Geology

Professors: GRABAU and KEMP (*Executive Officer*)
Assistant Professor: BERKEY
Instructor: OGILVIE
Curator: HAHN
Assistants: FETTKE, HINTZE, and MAURY

Courses

See introductory paragraphs, page 57

1–2—General geology. *C* 2 hours, *L* 2 hours. Professors GRABAU and BERKEY

4—Petrography. *C* 2 hours, *L* 4 hours for two months. Compare Mineralogy **6**. Professor BERKEY

5–6—General geology. 3 hours. Professors KEMP, GRABAU, and BERKEY

15—Elementary paleontology. *C* 1 hour, *L* 2 hours. Professor GRABAU and Mr. HINTZE

16—Index fossils. *C* 1 hour, *L* 8 or more hours. Prerequisite, Course **1–2, 6** or **18**. Professor GRABAU and Mr. HINTZE

18—General geology. *C* 3 hours. Field work on Saturdays (last six weeks). Professor BERKEY

19—Physiographic geology—Topographic features and map interpretation. *C* 2 hours, *L* 2 hours. Professor BERKEY

20—Rocks and soils. Origin, structure, constituents, and variety of soils. *C* 2 hours, *L* 2 hours. Professor BERKEY

51–52—Principles of geology. 2 hours. Professors GRABAU and BERKEY

105–106—Economic geology. 3 hours. Professor KEMP

107–108—Invertebrate paleontology. *C* 2 hours, *L* at least 4 hours. Professor GRABAU and Mr. HINTZE

110—Geological examinations and surveys—Field methods and organization. 2 hours. Professor KEMP

112—Field geology—One week's field work, and report upon the same, immediately at the close of the spring examinations. Professors KEMP, GRABAU, and BERKEY

113–114—Prehistoric archæology. 20 lectures on geologic basis of archæology. Professor BERKEY

119—Physiographic geology. (19 with additional study of literature for advanced students.) 3 hours. Professor BERKEY

151–152—Principles of geology. *C* 2 hours, *L* 4 hours or more. (51–52 with additional laboratory and library work.) Professors GRABAU and BERKEY

175—Field geology in Paleozoic rocks of eastern North America. 4 weeks in the summer. Officers of the department.

201–202—Petrology. *C* 2 hours, *L* at least 4 hours. Professors KEMP and BERKEY

205–206—Comparative geology of North America—A comparative description and study of the geological formations of North America. *C* 3 hours, 4 hours reading and laboratory. Professors KEMP and GRABAU

209–210—Comparative geology of Europe. *C* 2 hours, 4 hours laboratory and library work. Professor GRABAU

211—Phylogeny of the Gastropoda. *C* 1 hour, *L* 6 hours. Professor GRABAU

212—Phylogeny of the Cephalopoda. *C* 1 hour, *L* 6 hours. Professor GRABAU

213–214—Fossil faunas of North America. *C* 1 hour, *L* 6 hours. Professor GRABAU and Mr. HINTZE

301–302—Paleogeography of North America. Development and changes of former continents and ocean basins. 1 hour seminar and laboratory according to arrangement. *C* 1 hour, *L* 6 hours to 2 days. Professor GRABAU

303–304—Journal Club and seminar conducted by officers of the department. 2 evenings a month.

307–308—Research in areal, structural, economic, or physiographic geology under officers of the department.

311–312—Phylogeny of a special group of invertebrates. Research course. Professor GRABAU

315–316—Stratigraphy. Research course. *L* 6 hours or more. Professor GRABAU

B 1–2—General geology. Elementary course. *C* 2 hours, *L* 2 hours. 6 points. Drs. OGILVIE and MAURY

B 101–102—General geology. Course 1–2 with *L* 4 hours additional. 8 points. Drs. OGILVIE and MAURY

B 113—Summer field course—Two weeks in the field, and subsequent preparation of a report. Dr. OGILVIE

B15–16—Paleontology. *C* 1 hour, *L* 2 hours. Drs. OGILVIE and MAURY

B 117–118—Glacial geology and advanced physiography. *C* 1 hour. *L* to be arranged. Dr. OGILVIE

B 119–120—General geology, advanced course. *C* and *L* to be arranged; 4, 6, or 8 hours. Dr. OGILVIE

For the courses in geography see page 109.

H215—Engineering geology. Lectures, laboratory and field work. 3 hours. Professors KEMP and BERKEY

H216—Lithology and petrology. Lectures and laboratory work. 2 hours. Professors KEMP and BERKEY

Summer Session

S2—Elementary historical geology. Professor GRABAU and Miss KURTZ

S2a, identical with S2, with 1 hour laboratory, one-half day field work, per week

S151—Principles of geology. 2 points. Professor GRABAU

S175—Geology. Field work in New York State. Professor GRABAU

Extension

E1—General geology—a general introduction to the subject of geology. 3 points. Professor GRABAU

E2—Historical geology—the origin of the earth and its astronomical relationships. 3 points. Professor GRABAU

The following courses in paleobotany are offered at the New York Botanical Garden by Dr. ARTHUR HOLLICK:

General paleobotany—Developmental history and structure of the fossil flora of some selected locality. Laboratory and museum.

Cretaceous flora of eastern North America—Collection and determination of specimens from some station with attention to stratigraphic relations. Field and laboratory.

Equipment

The department has ample laboratories and a full equipment for its several lines of work. For details see the separately printed *Announcement.*

The paleobotanical library and collections of Columbia University have been deposited at the New York Botanical Garden.

Germanic Languages and Literatures

Professors: CARPENTER (*Executive Officer*) and THOMAS
Associate Professors: BAGSTER-COLLINS, BRAUN, HERVEY, and TOMBO
Assistant Professor: REMY
Instructors: BECHERT, HASKELL, HEUSER, PORTERFIELD, and SCHULTZE
Lecturer: RICHARD

For the significance of course numbers see page 57

German

A1–A2—Elementary course. 3 hours. Messrs. HEUSER and SCHULZE (Columbia); Professor BRAUN, Mr. BECHERT, Drs. PORTERFIELD and HASKELL (Barnard)

B1–B2—Intermediate course. 3 hours. Mr. SCHULZE (Columbia); Mr. BECHERT, Drs. PORTERFIELD and HASKELL (Barnard)

3–4—Composition and colloquial practice. Elementary course. 2 hours. Mr. HEUSER (Columbia), Mr. BECHERT (Barnard)

5–6—Selected works of Goethe, Schiller, and Lessing. 3 hours. Professor HERVEY and Mr. HEUSER (Columbia). Professor BRAUN, Mr. BECHERT, and Dr. PORTERFIELD (Barnard)

7–8—Modern German prose. 3 hours. Professor TOMBO (Columbia), Dr. PORTERFIELD (Barnard)

9—Lessing's *Laocoön.* 2 hours. Mr. SCHULZE

10—Lessing's *Hamburgische Dramaturgie.* 2 hours. Mr. SCHULZE

9, 10—Intermediate practice course. 2 hours. Professor BRAUN (Barnard)

11–12—Composition and colloquial practice. Advanced course. 2 hours. Mr. HEUSER

13–14—Nineteenth-century writers. Kleist and Grillparzer. 2 hours. Mr. HEUSER

[15–16—Nineteenth-century writers. Hebbel and Hauptmann. 2 hours. Mr. HEUSER]

17a—Life and works of Goethe. 4 hours. Professor HERVEY

[19–20—Life and works of Schiller. 2 hours. Professor HERVEY]

[21, 22—Goethe. Life and selected works. 3 hours. Dr. HASKELL (Barnard)]

23, 24—Schiller. Life and selected works. 3 hours. Dr. HASKELL (Barnard)

23–24—History of German civilization. 3 hours. Dr. RICHARD

25–26—Selected dramas of the nineteenth century. 2 hours. Professor BRAUN (Barnard)

37, 38—History of German literature. 2 hours. Professor BRAUN (Barnard)

39, 40—Goethe's *Faust*. First and second parts. 2 hours. Professor THOMAS (Barnard)

51–52—German in secondary schools. 3 hours. Professor BAGSTER-COLLINS. Given in Teachers College

53–54—Educational German. 2 hours. Professor BAGSTER-COLLINS. Given in Teachers College

61 and 101—History of German literature from the earliest times to the Reformation. 3 hours. Professor THOMAS

62 and 102—History of German literature from the Reformation to the nineteenth century. 3 hours. Professor THOMAS

63–64 and 103–104—Goethe's *Faust*. First and second parts. 2 hours. Professor THOMAS

105—German literature in the nineteenth century. 2 hours. Professor THOMAS

106—Contemporary German literature. 2 hours. Professor TOMBO

107—History of the German language. 2 hours. Professor REMY

108—The German of to-day. 2 hours. Professor REMY

113—Middle High German. 2 hours. Professor REMY

114—Middle High German poetry. 2 hours. Professor REMY

128—Old High German and Old Saxon. 3 hours. Professor REMY

129–130—Outlines of the history of German civilization. 2 hours. Dr. RICHARD

141—Phonetics. 2 hours. Professor BAGSTER-COLLINS. Given in Teachers College

Education 269–270—Practice course. 3 hours; practical work, 2 hours. Professor BAGSTER-COLLINS. Given in Teachers College

201—Proseminar. Lessing. 2 hours. Professor THOMAS

202—Proseminar. Goethe. 2 hours. Professor THOMAS

207—Proseminar. Hauptmann. 2 hours. Professor TOMBO

208—Proseminar. Fontane. 2 hours. Professor TOMBO

Scandinavian

121—Elementary Icelandic. 2 hours. Professor REMY

122—Advanced Icelandic. 2 hours. Professor REMY

Gothic

127—Gothic. 3 hours. Professor REMY

Germanic Philology

205–206—Comparative philology of the Germanic dialects. 2 hours. Professor REMY

Germanic Seminar

301—Walter von der Vogelweide. 2 hours. Professor CARPENTER

302—Literary relations of England and Germany in the eighteenth century. 2 hours. Professor THOMAS

Summer Session

sA1—Elementary course. 2 points. Professor BRAUN, Dr. PORTERFIELD, and Mr. SCHULZE

sA2—Elementary reading and oral practice. 2 points. Dr. PORTERFIELD and Mr. SCHULZE

sA3—Supplementary course. 2 points. Mr. HEUSER and Mr. SCHULZE

sB1—Intermedinte course. First part. 2 points. Dr. PORTERFIELD

sB2—Intermediate course. Second part. 2 points. Professor REMY

s3–4—Composition and oral practice. Intermediate course. 2 points. Professor BRAUN

s5–6—Introduction to the classics. 4 points. Mr. HEUSER

s101–102—History of German literature. 2 points. Professor VON KLENZE

s103–104—Goethe's *Faust*. 2 points. Professor BRAUN

s107—History of the German language. 2 points. Professor REMY

s127–128—Gothic. 2 points. Professor REMY.

s145—Modern German usage and advanced syntax. 2 points. Mr. HEUSER

s151—Die Entstehung und Entwicklung der deutschen Novelle im achtzehnten und neunzehnten Jahrhundert. Vorträge, Berichte, Untersuchungen. 2 points. Professor VON KLENZE

s203—Proseminar C. Great German writers: Schiller. 3 points. Professor HERVEY

Extension

eA1–A2—Elementary course. 6 points. Mr. HEUSER, Dr. PORTERFIELD (and in Brooklyn), Mr. M. G. BACH

eA3–A4—Elementary course. First half. 3 points. Mr. M. G. BACH

eA5–A6—Elementary course. Second half. 3 points. Mr. M. G. BACH

e **B1–B2**—Intermediate course. 6 points. M. SCHULZE

e**B3–B4**—Shorter intermediate course. 4 points. Professor BRAUN

e3–4—Composition and oral practice. Intermediate course. 2 points. Professor BRAUN

e5–6—Introduction to the classics. 4 points. Professor HERVEY and Mr. HEUSER

Public Lectures

Lectures in the German language on popular subjects, intended primarily for the students of the University, but to which the general public is also invited, are given each year under the auspices of the department.

Journal Club

The Germanic Club is an organization founded in 1902 for the purpose of reviewing and discussing important contributions to recent scholarship in the Germanic field. The Club consists of the officers, fellows, and scholars of the department. Meetings are held monthly.

Deutscher Verein

The Deutscher Verein of Columbia University, founded in 1898, is an association of the students and instructors of the University who are interested in the study of the German language and literature, and in the acquisition of a more intimate knowledge of Germany, of German institutions, and of the German people than is furnished by academic study alone. The active membership consists of instructors in all departments of the University, of students in residence to the limited number of fifty, and of previous members of the Verein who are no longer students. An honorary membership is made up of prominent German-speaking citizens of New York. Stated meetings are held on the second and fourth Tuesday of each month in the room assigned to the Verein in West Hall.

Equipment

The University Library offers excellent facilities for the study of German, both on the literary and the linguistic side. In German literature all periods are well represented. The Goethe collection, which consists of more than 1300 titles, affords to the student of Germany's greatest author an exceptional opportunity for the prosecution of his researches. The Scandinavian collection contains a good representation of the ancient saga and poetical literature, and most of the eminent writers of modern Norway, Denmark, and Sweden. The Holland Society library, deposited with the University in 1901, contains a considerable collection of books and pamphlets in the Dutch language from all periods.

The Library has sets and the current numbers of all the important periodicals which deal with Germanic literature and Germanic and general philology. It has also sets of periodicals no longer published, and a large collection of the transactions and publications of the learned societies of America and Europe.

A reference library of 1200 volumes, containing the most important subsidia for the critical study of the Germanic languages and literatures—dictionaries, bibliographies, biographies, histories of literature, and the like—and independent of the main collection in the University Library, is placed in a room adjacent to the lecture-room and offices of the department in University Hall.

The income of the Carl Schurz Library Fund ($10,000), contributed by citizens of New York in commemoration of the seventieth birthday of Carl Schurz, is, by the terms of the gift, devoted in perpetuity to the purchase of books in the field of the German language and literature.

For the Carl Schurz Fellowship in the German Language and Literature, see index.

Greek

(See page 83)

Gynecology

Professor: CRAGIN (*Executive Officer*)
Professor of Clinical Gynecology: CHAMBERS
Associates: OASTLER and WARD
Instructors: AYRES, LOBENSTINE, PROBEN, WILLIAMS (P. H.), and RYDER
Clinical Assistants: BRADLEY, ROFF, KELLOGG, SILLECK, KNAPP

Courses

See introductory paragraphs, page 57

52—The principles and practice of gynecology—Lectures, 3 a week, 2 didactic and 1 clinical. Professor CRAGIN

53—Recitations and demonstrations. 1 hour a week for each student. Dr. WARD

57–58—Clinic in operative gynecology to small sections at Lincoln Hospital. 1 hour. Dr. OASTLER

59–60—Practical instruction in the diagnosis, to sections of the class—10–12 lessons for each student, Vanderbilt Clinic. Drs. OASTLER, PROBEN, RYDER, and WILLIAMS

61–62—Practical instruction in the diagnosis and treatment of venereal diseases in women to sections of the class—2 lessons for each student at Bellevue Hospital. Dr. LOBENSTINE

63–64—Clinic in operative gynecology—Woman's Hospital. 1 hour. Professor CHAMBERS.

For equipment, see the Sloane Hospital for Women, p. 233

History and Political Philosophy

Professors: BOTSFORD, DUNNING (*Executive Officer*), JOHNSON (H.), OSGOOD, SHEPHERD, SHOTWELL, SLOANE, and ROBINSON
Assistant Professors: HAYES and SCHUYLER
Associate: MUZZEY
Instructors: GREEN, HUMPHREY, and HUTTMANN
Assistant: HUTCHINSON

Courses

See introductory paragraphs, page 57

A1–A2—Epochs of European history. 3 hours. Professors HAYES and SCHUYLER, Messrs. HUMPHREY and GREEN (Columbia College); Miss HUTTMANN, Dr. MUZZEY, and Miss HUTCHINSON (Barnard College)

[3–4—Greece and early Italy. 3 hours. Barnard College and Columbia College. Professor BOTSFORD]

5–6—The Roman Empire. 3 hours. Professor BOTSFORD

7–8—Europe in the Middle Ages. 3 hours. Mr. HUMPHREY (Columbia College)

9–10—Europe in the nineteenth century. 2 hours. Professor HAYES, (Columbia College); Professor SHOTWELL, Dr. MUZZEY, and Miss HUTCHINSON (Barnard College)

11–12—A survey of English history. 3 hours. Professor SCHUYLER (Columbia College), Dr. MUZZEY (Barnard College)

13—History of the United States from 1783 to the war with Mexico. 3 hours. Professor SCHUYLER (Columbia College), Professor SHEPHERD (Barnard College)

14—History of the United States since the war with Mexico. 3 hours. Professor DUNNING (Columbia College), Professor SHEPHERD (Barnard College)

19–20—Laboratory in contemporaneous European history. 2 hours. Professor HAYES and Mr. GREEN (Columbia College)

51–52—The literature of American history. 2 hours. Professor JOHNSON (Teachers College)

[117–118—The period of transition in Roman history from the republic to the principate. 2 hours. Professor BOTSFORD]

121—History of the intellectual class in Europe. 4 hours. Professor ROBINSON

[125–126—The history of England to 1660. 2 hours.]

[151—European history, 1815–1848. 2 hours. Professor SLOANE]

153—Contemporary European history since 1848. 4 hours. Professor SLOANE

[155—The social history of England. 2 hours. Professor SHOTWELL]

156—The social and industrial history of modern England. 2 hours. Professor SHOTWELL

[157–158—History of Great Britain, principally during the eighteenth and nineteenth centuries. 2 hours.]

161—The formation of the American constitutional system. 2 hours. Professor BEARD

162—The development of the American constitutional system. 2 hours. Professor BEARD

[168—Historical geography of Europe. 2 hours. Professor SHEPHERD]

169—Historical geography of modern colonization. 2 hours. Professor SHEPHERD

170—Modern colonization. 2 hours. Professor SHEPHERD

213–214—The Roman Empire, political, social, and intellectual. 3 hours. Professor BOTSFORD

[215–216—History of Greece, political, social, and intellectual. 3 hours. Professor BOTSFORD]

217–218—Constitutional history of Greece. 2 hours. Professor BOTSFORD

[221—Later Roman Empire and early Middle Ages. 2 hours. Professor SHOTWELL]

222—Primitive institutions, Paganism and Christianity. 2 hours. Professor SHOTWELL

[225—The later Middle Ages. 2 hours. Professor SHOTWELL]

[226—Europe in the twelfth and thirteenth centuries. 2 hours. Professor SHOTWELL]

227—The Protestant revolt. 2 hours. Professor ROBINSON

[228—The Catholic Reformation (*i. e.*, the so-called Counter Reformation) and the Council of Trent. 2 hours. Professor ROBINSON]

[1] 229—General Church history. Period I: The ancient Church to 590 A.D. 2 hours. Professor MCGIFFERT

[1] 230—General Church history. Periods II and III: The Medieval and Modern Church, 590–1789. 2 hours. Professor ROCKWELL

[[1] 231—History of Christian doctrine. I: History of thought in the Primitive and Catholic Church. 4 hours. Professor MCGIFFERT]

[1] Given at Union Theological Seminary.

[[1]232—History of Christian doctrine. II: History of Protestant thought. 4 hours. Professor McGIFFERT]

[1]234—Christianity in the light of its history. 2 hours. Professor McGIFFERT

[[1]235—History of the New Testament Canon. 2 hours. Mr. TRYON]

[1]237—History of New Testament times. 2 hours. Mr. TRYON

[1]238—History of early Christian literature. 2 hours. Professor McGIFFERT

[[1]239—Readings in the early fathers. 2 hours. Mr. TRYON]

[[1]240—The influence of contemporary cults on early Christianity. Mr. TRYON]

[1]241—Medieval Church history, 590–1517. 2 hours. Professor ROCKWELL

[[1]242—History of the Papacy. 2 hours. Mr. TRYON]

[1]243—English Church history (Reformation and post-Reformation periods). 2 hours. Professor McGIFFERT

[[1]245—European Church history in the nineteenth century. Professor ROCKWELL]

[1]246—American Church history. 2 hours. Professor ROCKWELL

[2]247—The Church during the first three centuries. 3 hours. Professor JENKS

[2]248—The Church from the Council of Nicæa to Charlemagne. 3 hours. Professor JENKS

[2]249—The Church of England. 3 hours. Professor JENKS

[2]250—The Church from Charlemagne to modern times. 3 hours. Professor JENKS

[252—The reforms of the French Revolution. 2 hours. Professor ROBINSON]

[254—The progress of the French Revolution (1789 to 1800) with special attention to the sources. 2 hours. Professor ROBINSON]

[261–262—American colonial history during the seventeenth century. 2 hours. Professor OSGOOD]

263—American colonial history during the eighteenth century. 4 hours. Professor OSGOOD

267–268—The United States from 1850, with special reference to the Civil War and Reconstruction. 2 hours. Professor DUNNING

269—Hispanic institutions and culture. 2 hours. Professor SHEPHERD

[1] Given at Union Theological Seminary.
[2] Given at the General Theological Seminary.

271—Spanish and French colonization in the United States to 1763. 2 hours. Professor SHEPHERD

272—Spanish colonization and the westward movement in the United States, 1763–1821. 2 hours. Professor SHEPHERD

275—Colonial Latin America. 2 hours. Professor SHEPHERD

276—The republics of Latin America. 2 hours. Professor SHEPHERD

279—General history of political theories, ancient and medieval. 2 hours. Professor DUNNING

280—General history of modern political theories. 2 hours. Professor DUNNING

[281—American political philosophy before 1850. 2 hours. Professor DUNNING]

[282—American political philosophy since 1850. 2 hours. Professor DUNNING]

311–312—Seminar in Greek and Roman history. 1 hour. Professor BOTSFORD

[1]315–316—Historical seminar. 2 hours. Professor McGIFFERT

[[1]317–318—Historical training class. 2 hours. Professor ROCKWELL]

[1]319–320—Religious thought in France in the eighteenth century. 2 hours. Professor McGIFFERT

321—Historical bibliography; the sources of European history; methods of historical study. 2 hours. Professors ROBINSON and SIMKHOVITCH

322—Seminar in primitive institutions in Europe. 2 hours. Professor SHOTWELL

356—Seminar in the social history of England during the industrial revolution. 2 hours. Professor SHOTWELL

357—The work of Napoleon. 2 hours. Professor SLOANE

361–362—The American Revolution. 2 hours. Professor OSGOOD

363–364—Seminar in American colonial history. 1 hour. Professor OSGOOD

365—European politics and the war of 1812. 2 hours. Professor SLOANE

367–368—Seminar in later United States history. 1 hour. Professor DUNNING

[381–382—Seminar in political philosophy. 1 hour. Professor DUNNING]

[1] Given at Union Theological Seminary.

Summer Session

sA1—Europe in the Middle Ages: the chief political, economic, and intellectual achievements. 3 points. Professor KREHBIEL

sA2—Modern and contemporary European history. 3 points. Professor SCHUYLER

s13–14b—American history: political history of the United States from 1815 to 1889. 2 points. Professor BASSETT

s105—History of Greece: from the beginning of the Cretan-Mycenæan civilization to the age of Pericles. 2 points. Professor BOTSFORD

s117—History of Rome: the transition from republic to principate. 2 points. Professor BOTSFORD

s121–122—Medieval culture and the Renaissance. 2 points. Professor KREHBIEL

s157–158—English history since 1660. 2 points. Dr. SULLIVAN

s167–168—Recent history of the United States: from 1877 to 1905. 2 points. Professor BASSETT

s169—American colonization and expansion from 1700 to 1800. Professor HULBERT

Extension

eA1—Europe in the Middle Ages. 3 points. Mr. HALL

eA2—Modern and contemporary European history. 3 points. Professor HAYES

e11a–12a—English history. 2 points. Mr. SAIT

e13–14—American history. 2 points. Professor SCHUYLER

l.s.A—The Protestant revolt. 15 lectures. Professor ROBINSON

l.s.D—Political history of Europe in the nineteenth century. 3 points. Professor SHOTWELL

Equipment

The University Library contains many of the great published collections for the study of ancient, mediæval, and modern history. The special library of history and political science numbers upwards of 150,000 volumes. The great libraries of New York, Astor, Lenox, and Tilden foundations, those of the New York and Long Island Historical Societies, and of the Bar Association are, under certain conditions, also accessible to students. Fuller information as to courses and opportunities for historical work is given in the *Announcement of the Division of History, Economics, and Public Law*, which may be obtained by applying to the Secretary of the University. Under the auspices of the Academy of Political Science, to which advanced students are eligible as members, opportunities are given for the discussion of questions of interest as presented in papers by specialists.

Household Arts

The school of Household Arts of Teachers College provides eighty courses in Household Arts Education, Nutrition and Food Economics, Household Chemistry, Physiological Chemistry, Foods and Cookery, Textiles and Clothing, Household Art, Household and Institutional Administration, and Nursing and Health. Part-time students are provided for by Special Classes. These courses and the Household Arts building and equipment are described in a special circular and in the *Announcement of Teachers College.* There is a summer session of the School.

Industrial Arts

The School of Industrial Arts of Teachers College provides fifty-four courses in Industrial Arts Education, Drawing and Design, Industrial Mathematics, Wood-Working, Metal-Working, Photography, Ceramics, Book-Binding, Library Economy, and Commercial Education. Special provision is made for part-time students by a large group of Evening Technical Courses. These courses and the Macy Manual Arts building and equipment are described in the special circular of the School and in the *Announcement of Teachers College.* There is a summer session of the School.

Latin

(See page 83)

LAW

Municipal or Private Law

Professors: ABBOTT, BURDICK, CANFIELD, GUTHRIE, KIRCHWEY, REDFIELD, STONE (*Executive Officer*), and TERRY

Associates: DORR and REYNOLDS

Assistant: WHITAKER

Courses

See introductory paragraphs, page 57

101–102—Contracts. 4 hours. Professor TERRY

103—Criminal law. 3 hours. Professor STONE

105—Elements of law. 3 hours. Professor MUNROE SMITH

107—Pleading I. 3 hours. Professor REDFIELD

108—Property I. 4 hours. Professor KIRCHWEY

110—Torts. 2 hours. Professor BURDICK

111—American constitutional law I. 1 hour. Professor GUTHRIE

201—Agency. 3 hours. Mr. REYNOLDS
202—Carriers. 3 hours. Mr. REYNOLDS
203—Admiralty. 2 hours. Mr. DORR
205—Domestic relations. 2 hours. Professor ABBOTT
206—Bankruptcy. 2 hours. Professor KIRCHWEY
207—Equity I. 3 hours. Professor ABBOTT
208—Trusts. 3 hours. Professor STONE
210—Negotiable paper. 3 hours. Professor BURDICK
211—Insurance.[1] 2 hours. Mr. DORR
212—Federal jurisdiction. 2 hours. Mr. DORR
213—Pleading II. 4 hours. Professor REDFIELD
215—Property II. 4 hours. Professor KIRCHWEY
216—American constitutional law II. 4 hours. Mr. POWELL
218—Quasi contracts. 3 hours. Professor ABBOTT
219–220—Sales. 2 hours. Professor BURDICK
221–222—Corporations. 2 hours. Professor CANFIELD
223—Equity II. 3 hours. Professor STONE
225—Evidence. 4 hours. Professor KIRCHWEY.
235—Wills. 3 hours. Professor REDFIELD
228—New York trusts. 2 hours. Professor CANFIELD
229—Partnership. 3 hours. Professor BURDICK
230—Mortgages. 3 hours. Professor STONE
231—Pleading III. 3 hours. Professor REDFIELD
232—Suretyship. 2 hours. Professor ABBOTT
233–234—Property III. 2 hours. Professor ABBOTT
236—Trial evidence. 1 hour. Mr. DORR

Summer Session

Real and personal property I. 4 points. Professor KIRCHWEY
Criminal law. 3 points. Professor GIFFORD
Negotiable paper. 3 points. Professor MOORE
Carriers. 3 points. Mr. DORR
Domestic relations and the law of persons. 2 points. Professor GIFFORD
s203—Constitutional law. 2 points. Mr. POWELL
s204—Constitutional law. 2 points. Mr. POWELL

[1] Omitted during 1911–12.

Public Law and Comparative Jurisprudence

Professors: BURGESS (*Executive Officer*), [1] GOODNOW, MOORE (J. B.), MUNROE SMITH
Associate Professor: BEARD
Instructor: SAIT
Lecturer: POWELL

I. Courses in Public Law

A—Politics and Constitutional Law

1–2—Elementary course. 3 hours. Professor BEARD and Dr. SAIT

3–4—(Identical with 1–2). Professor BEARD and Dr. SAIT

5–6—(Identical with 1–2). Professor BEARD and Dr. SAIT

7—Contemporary problems of American federal politics. 2 hours. Dr. SAIT

8—Contemporary state and municipal problems. 2 hours. Dr. SAIT

101—Formation of the American constitutional system. 2 hours. Professor BEARD. (Identical with History 161.)

102—Development of the American constitutional system. 2 hours. Professor BEARD. (Identical with History 162.)

[103–104—Comparative politics and government. 2 hours. Professor BEARD]

105—Party government in the United States. 2 hours. Professor BEARD

[106—American state government. 2 hours. Professor BEARD]

201—Introduction to the constitutional law of the United States. 1 hour. Professor GUTHRIE

204—Constitutional law of the United States. 2 hours. Mr. POWELL

301–302—Seminar in constitutional and administrative law. 1 hour. Professor BEARD and Mr. POWELL

Summer Session

s1—American federal government. 2 points. Professor HAINES

s2—American state government. 2 points. Professor HAINES

s204—Constitutional law of the United States. Mr. POWELL

[1] Absent on leave, 1911–12.

Extension

e1–2—American government. 3 points. Mr. Ross

Administrative Law

143—Municipal science and administration. 2 hours. Professor GOODNOW (not given in 1911–12)

146—Municipal functions. Professor BEARD

241—Law of officers (extraordinary legal remedies). 2 hours. Mr. POWELL

245—Law of taxation. 2 hours. Mr. POWELL

246—Law of municipal corporations. 2 hours. Mr. POWELL

341–342—Seminar in constitutional and administrative law. 1 hour. Professor BEARD and Mr. POWELL

International Law

120—History of American diplomacy. 2 hours. Professor J. B. MOORE

221—History of diplomacy. 2 hours. Professor J. B. MOORE

223–224—International law. 2 hours. Professor J. B. MOORE

321–322—Seminar in international law. 2 hours. Professor J. B. MOORE

II. Comparative Jurisprudence

161—Elements of law. 3 hours. Professor MUNROE SMITH

263—Roman law. 3 hours. Professor MUNROE SMITH

266—History of European law. 3 hours. Professor MUNROE SMITH

268—Modern civil law of western Europe. 3 hours. Professor MUNROE SMITH

269–270—Conflict of laws. 1 hour. Professor J. B. MOORE

361–362—Seminar in legal history. 1 hour. Professor MUNROE SMITH

363–364—Seminar in comparative jurisprudence. Professor MUNROE SMITH

Public Lectures

Public lectures of special interest to students of politics and jurisprudence are maintained by specific endowments, such as the Beer lectures in political science, the Blumenthal lectures in politics, and the Carpentier lectures in law. Some of these lectures are given by distinguished foreigners, others by men prominent in public life in the United States.

Library Facilities

In addition to excellent working collections of constitutions, codes, session laws, judicial decisions, government reports, legal treatises, transactions of legal societies, and law journals of the principal foreign countries as well as of the United States, the Library of Columbia University offers special advantages to students of politics, public law, and comparative jurisprudence in the collections of Henry Livingston Thomas, late chief translator to the Department of State, of the Holland Society of New York, and of the Reform Club of the City of New York, of which the Columbia Library is the depositary. The materials thus furnished are richly supplemented by those in the libraries of public institutions, learned societies, and civic organizations, particularly the Hispanic Society of America, with its unique collection of materials relating to the history, institutions, and culture of Spain, Portugal, and Latin America, the Bar Association, and the Law Institute. To these libraries advanced students have access under favorable conditions.

Manual Training

Fifty-four courses in Industrial Arts are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College*, which will be sent without charge, upon application to the Secretary of the University.

(See also Shopwork, page 170)

Materia Medica

(See page 147)

Mathematics

Professors: COLE, FISKE, FITE, HAWKES, KASNER, KEYSER (*Executive Officer*), MACLAY, MITCHELL (H. B.), and SMITH (D. E.)

Assistant Professor: GROVE

Instructors: CURTIS, DINES, GRAVES, LENNES, REDDICK, and SICELOFF

Assistants: NOWLAN and PFEIFFER

See introductory paragraphs, page 57

Courses

A1 or **A4**—Plane trigonometry and algebra. 3 hours. Professors H. B. MITCHELL and FITE, Mr. SICELOFF, Dr. REDDICK and Mr. GRAVES

A2—Solid geometry. 1 hour. Professors HAWKES and GROVE, Mr. SICELOFF and Dr. REDDICK

1 or 2—Algebra. Professors HAWKES, FITE, and GROVE, Mr. SICELOFF, Dr. REDDICK, Dr. LENNES, and Mr. GRAVES

3 or 4—Analytical geometry. 3 hours. Professors MITCHELL, HAWKES, FITE, and GROVE, Mr. SICELOFF, Dr. REDDICK, Dr. LENNES, and Mr. GRAVES

5 or 6—Algebra. 3 hours. Professor GROVE, Messrs. SICELOFF and GRAVES

12—Mathematics of statistics. 3 hours. Professor GROVE

13—Differential equations. 3 hours. Dr. REDDICK

14—Higher algebra. 3 hours. Mr. SICELOFF

15–16—Differential and integral calculus. Short course. 3 hours. Professors MITCHELL and HAWKES

17—Advanced calculus. 3 hours. Professor HAWKES

18—Advanced analytical geometry. 3 hours. Mr. GRAVES

19—Projective geometry. 3 hours. Professor FITE

20—Fundamental concepts in mathematics. 3 hours. Professor HAWKES

64–65 or 67–68—Calculus. 5 hours. Professors KEYSER, FISKE, MACLAY, MITCHELL, HAWKES, FITE, and GROVE, Mr. SICELOFF, Dr. REDDICK, Dr. LENNES and Mr. GRAVES

101–102—Modern theories in geometry. 3 hours. Professor KEYSER

111–112—Modern higher algebra. 3 hours. Professor MACLAY

122—Differential equations. 3 hours. Professor KASNER

(Mathematics 13 may be counted as a graduate course by those who also complete 122)

151–152—History of mathematics. 2 hours. Lectures and collateral reading. Professor SMITH (Teachers College)

201–202—Advanced calculus. Introduction to the theory of functions of a real variable. 3 hours. Professor FISKE

203–204—The theory of functions of a complex variable. 3 hours. Professor FISKE

[205–206—Introduction to the theory of Functions. 3 hours. Professor COLE]

[221–222—Theory of plane curves. 3 hours. Professor COLE]

251–252—History of mathematics. Lectures and collateral reading. 3 hours. Professor SMITH (Teachers College)

307–308—Theory of groups. 3 hours. Professor COLE

[309–310—Functions defined by linear differential equations. 3 hours. Professor FISKE]

311–312—The general theory of assemblages. 3 hours. Dr. LENNES

313–314—Theory of invariants. 3 hours. Professor COLE

323–324—The principles of mathematics. 3 hours. Professor KEYSER

337–338—Dynamical geometry. 2 hours. Professor KASNER

[339–340—Geometry of differential equations. 2 hours. Professor KASNER]

341–342—Elliptic functions. 3 hours. Professor MACLAY

[343–344—Differential geometry. 3 hours. Professor MACLAY]

Summer Session

sA1—Solid geometry. 2 points. Mr. SICELOFF and Dr. REDDICK

sA2—Algebra. 2 points. Professor FITE and Mr. SICELOFF

sA3—Logarithms and trigonometry. 2 points. Mr. SICELOFF and Dr. REDDICK

s3—Plane analytical geometry. 3 points. Professor GROVE

s4—Plane and solid analytical geometry. 3 points. Professor GROVE

s5—Differential calculus. 3 points. Professor WHITE

s6—Integral calculus. 3 points. Professor KASNER

s111—Higher algebra. 3 points. Professor FITE

s129—Differential geometry. 3 points. Professor KASNER

s201—Theory of functions of a real variable. 3 points. Professor WHITE

Extension

eA1—Trigonometry and algebra. 3 points. Mr. SICELOFF
also evenings in Brooklyn
also evenings in Newark

eA2—Solid geometry. 3 points. Mr. SICELOFF
also evenings in Brooklyn
also evenings in Newark

e5—Algebra. 3 points. Dr. REDDICK

e3—Analytical geometry. 3 points. Professor GROVE

e15–16—Calculus. 3 points. Mr. WILSON

eX1–X2—Algebra, elementary course. Mr. SIMPSON

eY1–Y2—Plane geometry. Mr. SIMPSON

Equipment

In connection with the Department of Mathematics and in addition to the regular library facilities there is a large and fully equipped

reading-room, 108 Library, in which are available the current numbers of over one hundred and fifty mathematical journals and periodicals, including nearly every mathematical journal of standing published.

The laboratory equipment of the department has been greatly increased and is among the best in the country. The recent acquisitions of mathematical models and instruments include the famous collections of Wiener and Schilling. By means of models and charts are illustrated the theory of elementary solid geometry, plane and solid analytic geometry, descriptive and projective geometry, higher plane and twisted curves, and higher surfaces and their singularities, together with many of the more intricate concepts and forms in the general theory of functions, elliptic functions, infinite series and products, and analysis situs. Room 503 Fayerweather has been set apart as a mathematical laboratory and model room.

Teachers College is well supplied with models and apparatus for use in teaching mathematics in all grades, from the kindergarten through the high school, together with various instruments for mechanical computation, including a Stanley arithmometer. The large collection of instruments, autographs, portraits, and other material illustrating the historical development of mathematics, the property of Professor Smith, is placed at the disposal of the students, as is his extensive library on the history and teaching of the subject. Arrangements may be made by which advanced students in the history of mathematics may have access to the library of George A. Plimpton, Esq., which is particularly rich in manuscripts, incunabula, and sixteenth-century works on the subject. The department has a large collection of stereopticon slides illustrating many important manuscripts and early works from this and other libraries.

Mechanical Engineering

Professors: LUCKE (*Executive Officer*) and RAUTENSTRAUCH
Assistant Professors: PARR and THOMAS (C. W.)
Associates: HALSEY, LONGACRE, and MOSS
Instructors: GUNN, HERRICK, and THURSTON

Courses

See introductory paragraphs, page 57

11–12—Steam-power machinery. 3 hours and 1 afternoon, second half-year. Professors LUCKE, PARR, and Mr. GUNN

13–14—Steam-power machinery, shorter course. 3 hours. Professor LUCKE and Mr. GUNN

17–18—Engineering thermodynamics. 2 hours. Professor LUCKE and Mr. GUNN

19–20—Engine design. 3 hours and 3 afternoons. Professors RAUTENSTRAUCH and THOMAS

22—Gas-power machinery. 4 hours and 1 afternoon. Professors LUCKE, PARR, and Mr. GUNN

25—Steam-power. 3 hours and 2 afternoons. Professor LUCKE and Mr. GUNN

31–32—Standard tests and research methods. 1 hour and 1 afternoon. Mr. THURSTON

33—Standard tests and research methods—Continuation of Course **31–32**. 2 hours and 1 afternoon. Professor PARR and Mr. THURSTON

35–36—Kinematics of machinery. 1 afternoon. Professor THOMAS

37—Machine design. 1 hour and 2 afternoons. Professor RAUTENSTRAUCH

39–40—Machine design. 1 hour and 2 afternoons, first half-year, 2 hours and 2 afternoons, second half-year. Professor RAUTENSTRAUCH

41—Machine design. Short course for students in Civil and Electrical Engineering. 1 hour and 1 afternoon. Professor THOMAS

46—Water-power machinery. 3 hours. Mr. HERRICK

52—Organization and management. 2 hours. Professor RAUTENSTRAUCH

53—Steam turbines. 2 hours. Professor PARR and associates

54—Shop processes: tools and time study. 2 hours. Professor RAUTENSTRAUCH and associates

56—Water-power installations. 1 hour. Mr. HERRICK

59—Empiric design. 2 hours and 1 afternoon. Professor THOMAS

60—Hydraulic laboratory. 1 afternoon. Mr. HERRICK

62—Refrigerating machinery. 1 hour. Mr. THURSTON

63—Hydraulic laboratory. Same as **60**. 1 afternoon. Mr. HERRICK

64—Air machinery. 2 hours. Mr. LONGACRE

66—Elevators and conveyors. 1 hour. Mr. MOSS

68—Shops and factories. 2 hours and 1 afternoon. Professor RAUTENSTRAUCH and others

70—Pumping machinery. 2 hours. Mr. THURSTON

72—Gas-power machinery—Selections from **22**. 2 hours and 1 afternoon. Professor LUCKE

74—Gas-power machinery—Selections from **22**. 2 hours. Professor LUCKE

76–77—Standard tests—Selections from **31–32, 33**. Professor PARR and Mr. THURSTON

78—Kinematics—Selections from **36**. 1 afternoon. Professor THOMAS

82—Heating and ventilation. 3 hours. Professor LUCKE

94s—Shop and factory work—Memoir on second summer work. Professor RAUTENSTRAUCH

96s—Steam-power plant summer work—Memoir on third summer work. Professor LUCKE

Equipment

This department is well equipped with offices for the usual work and rooms for student conferences; lecture-rooms of various sizes; valuable collections of models and specimens to illustrate the lectures; and drafting-rooms provided with large numbers of blue-prints, photographs, and catalogues of standard and special machinery supplied by manufacturers, but the departmental equipment is chiefly remarkable in the excellent facilities available for the prosecution of experimental work, both for undergraduate students and graduate research. This experimental equipment includes all the standard and many special forms of measuring instruments, means for their calibration, and an unusually large collection of full-size standard machinery, covering practically every important class. This equipment is valued at approximately $80,000.00, and the experimental laboratories, in which it is maintained, cover a floor space of approximately 10,000 sq. ft. Further details of this equipment are given in the departmental announcement.

Metallurgy

Professors: HOWE and WALKER (*Executive Officer*)
Associate Professor: CAMPBELL
Assistant Professors: HALL and KERN

Courses

See introductory paragraphs, page 57

69 or 170—Assaying—Ores and metallurgical products. 2 hours and 3 afternoons. Professor Hall

101—General metallurgy. 3 hours, first half of term. Professor KERN

111—Metallurgy of copper. 3 hours, second half of term. Professor KERN

118—Metallurgy of copper—Advanced course. 1 hour. Professor KERN

122—Metallurgy of lead, silver, gold, and zinc. 3 hours. Professor WALKER

128—Metallurgy of lead, etc.—Advanced course. 1 hour. Professor WALKER

131—Metallurgy of iron and steel—Shorter course. 1 hour. Professor CAMPBELL

134—Metallurgy of iron and steel—Longer course. 2 hours. Professors HOWE and CAMPBELL

138—Metallurgy of iron and steel—Advanced course. 1 hour. Professor CAMPBELL

141—Electrometallurgy. 1 hour. Professor KERN

148—Electrometallurgy—Advanced course. 1 hour. Professor KERN

151—Constitution and properties of alloys. 2 hours. Professor CAMPBELL

155–156—Metallography of iron, steel, and industrial alloys. Total of 6 lectures and 3 or more afternoons laboratory. Professor CAMPBELL

158—Advanced course on constitution and property of alloys. 1 hour. Professor CAMPBELL

62s—Summer course in non-ferrous metallurgy. Professor KERN

64s—Summer course in ferrous metallurgy. Professor CAMPBELL

66s—Summer course in non-ferrous metallurgy. Professor KERN

72—Metallurgical laboratory. 10 consecutive afternoons. Professors CAMPBELL and KERN

171–172—Metallurgical laboratory. 5 afternoons. Professors WALKER CAMPBELL, and KERN

173–174—Advanced metallurgical laboratory

175—Metallurgical investigation. 1 hour. Professors WALKER and CAMPBELL

177—Metallurgical plant construction. Professor WALKER

201–202—Special courses in pyrometry, the microstructure of metals and alloys, the chemistry of roasting processes, etc., consisting of personal instruction and original experimental investigation. Professors WALKER, CAMPBELL, and KERN

METALLRGICALU EXCURSIONS—During the term the students see, at the metallurgical works near the city, iron blast furnaces, Bessemer and open-hearth steel making, lead and copper smelting, copper Bessemerizing and refining by furnace and electrolytic methods, the desilverizing of base bullion, and the parting and refining of gold and silver by electrolytic and acid methods.

Equipment

LECTURE DIAGRAMS—There are very many large lecture diagrams showing the various metallurgical appliances, and the sequence of metallurgical processes, besides many models, drawings, and apparatus for lecture demonstrations — for instance, in the heat-treatment and rolling of metals and in wet processes.

METALLURGICAL COLLECTION—There is a collection of about 3000 specimens of ores, metals, and metallurgical products, and a rapidly forming collection of microscopic sections and photomicrographs of metals and alloys.

ANALYTICAL LABORATORY—The department has an analytical laboratory open to the students in Metallurgy.

The Assay Laboratory is provided with crucible and muffle furnaces, both gas and coal, for the fire assay of ores; also with crushing, pulverizing, and sampling machinery, balance-room, storeroom, and well-equipped working desks. It also contains all the apparatus necessary for the wet assay of silver bullion and for laboratory tests of ores.

METALLURGICAL LABORATORY — 1. *Instruments of Precision of Metallurgy*—There are enough Le Chatelier thermo-electric pyrometers to give each student the exclusive use of one throughout his course, and many others of various kinds, some of great precision, some with autographic attachments, etc.

For the microscopic study of metals there are many special microscopes, with appliances for polishing, sclerometers, a drop-testing machine, a Fremont drop-testing machine, special testing machines for metals, ammeters, etc.

2. *For Analytical Metallurgy*, or the study of the principles and reactions of metallurgy taken singly as distinguished from the several industrial processes each taken as a unit, there are many special furnaces heated by electricity or gas, a small power-driven roll-train, etc.

3. *For Applied Metallurgy* there are, besides the common furnaces, special crucible melting furnaces, muffles, etc., two small reverberatory roasting furnaces, a set of lixiviating and precipitating vats, amalgamating pans, kettles for desilverizing lead, a chlorinating barrel, Abbé pebble-mill, Abbé jar-mill, storage batteries, voltmeters and ammeters for electrolysis, and a working stock of ores, refractory materials, fluxes, alloys, iron, and of very many varieties of steel.

4. *Advanced Students*—The laboratory gives advanced students and practitioners unusual advantages for investigating accurately the scientific and many of the economic problems of metallurgy.

METALLURGICAL LIBRARY—The Metallurgical Department has a special metallurgical library of about sixteen hundred volumes.

Mineralogy

Professor: MOSES (*Executive Officer*)
Assistant Professor: LUQUER
Instructor: LAMME
Assistant: BRUCE

Courses

See introductory paragraphs, page 57

1–2—Descriptive and determinative mineralogy. *C* 3 hours, *L* 2 afternoons, first term; *L* 1 *C* 3 hours, afternoon, second term. Professors MOSES and LUQUER, Dr. LAMME and Mr. BRUCE

3–4—General mineralogy—*C* 2 hours, *L* 1 afternoon. Professor MOSES

5—The minerals of building-stones. *C* 2 hours, and *L* 1 afternoon. Professor LUQUER and Assistants

6—Optical mineralogy—Minerals in rock sections. *L* 2 afternoons for two months. Professor LUQUER and Assistants

7–8—Descriptive and determinative mineralogy. *C* 3 hours, *L* 1 afternoon. Professors MOSES and LUQUER, Dr. LAMME and Mr. BRUCE

15–16—Mineralogy—Minerals important in the chemical industries. *L* 1 afternoon. Professor MOSES and Assistants

207–208—Optical mineralogy. *C* 1 hour, *L* 1 afternoon. Professor LUQUER

209–210—Physical crystallography. *C* 1 hour, *L* 1 afternoon. Professor MOSES

211–212—Mineralogy—Study of assigned subject. 12 hours for two years. Professor MOSES

H214—Optical mineralogy. Lectures and laboratory work. 1 hour. Professor LUQUER

Summer Session

S1—Common minerals. 3 points. Professor MOSES

S2—Methods of studying crystals. 2 points. Professor MOSES

Equipment

The work of the students in the college courses and in general mineralogy is performed in the lecture-room, in the blowpipe laboratory, and in the adjoining conference-room, in which are the student collections of crystal models and minerals and several thousand unlabelled specimens used in determinative work. The department possesses also about 1200 sections of minerals and rocks, and 1500 crystal models in wood and glass. Students in optical mineralogy use a separate room with north light, and for crystal measurements and monochromatic light determinations there is provided a large dark-room.

The Egleston Mineralogical Museum contains about 30,000 labelled specimens, and includes a systematic collection; an economic collection of ores, building materials, and minerals used in chemical industries; a collection illustrating the genesis and alteration of minerals; a collection illustrating the characters of minerals; and small collections of artificial minerals and New York City minerals.

Mining

Professors: MUNROE (*Executive Officer*) and PEELE
Assistant Professor: KURTZ
Instructor: JUDD

Courses

See introductory paragraphs, page 57

51—Excavation and tunnelling. 3 hours. Professor PEELE

52—Boring and shaft-sinking. 2 hours. Professor PEELE

53—Excavation, tunnelling, boring, and shaft-sinking. Condensed from courses 51 and 52 for students in Civil Engineering. 2 hours. Mr. JUDD

54—Exploration, development, and methods of working. 3 hours. Professor MUNROE

56—Mine engineering. 3 hours. Professor MUNROE

71–72—Mine plant. 3 hours. Professor PEELE

73—Mine constructions. 1 hour. Professor PEELE

75—Design of mine plant. 4 afternoons. Professors PEELE and KURTZ and Mr. JUDD

77–78—Graduating thesis or project. Professor PEELE

80—Mill constructions. 1 hour. Professor KURTZ

81—Ore dressing, milling, and the mechanical preparation of coal. 4 hours. Professor MONROE

82—Ore-dressing laboratory. Afternoon work for three weeks. Professors MUNROE and KURTZ and Mr. JUDD

91—Mine administration. 2 hours. Professors MUNROE and KURTZ

94—Mining law. 2 hours. Professor KURTZ

95—Mining conference. 1 hour. Mr. JUDD

58s—Summer course in mine surveying. 1 week. Professors MUNROE and KURTZ and Mr. JUDD

59s—Summer course in practical mining. 6 weeks. Professors PEELE and KURTZ and Mr. JUDD

The summer course includes four to five weeks' detailed study of the plant and methods of working at some important mine or mines selected for the purpose; and one week or more of excursions to other mines and mining regions. Arrangements are also made by which students in small groups may substitute, for the above, independent study at different mines under the general direction of the department.

Graduate Courses

Special courses, consisting of personal instruction, reading, and experimental investigation, will be arranged for advanced students according to their individual needs and ability. These investigations

will be made at mines and dressing works, either in connection with the summer school or elsewhere as assigned, with additional work, as required, in the library and in the laboratories of the department. These courses vary in difficulty and in the amount of time necessary according as the student is a candidate for the degree of A.M. or Ph.D. and according as he pursues mining as a major or a minor subject. The time required is governed by the rule that a course or courses should occupy about 18 hours a week (outside reading and study included) if taken as a major subject, and about 9 hours a week if taken as a minor subject. Any of the following courses may be offered as a minor for the degree of A. M. by students who have had the appropriate prerequisites:

101–102—Mining and ore dressing—Mining **54, 81,** and **82.** 4 hours, with laboratory work and reading as required.

103–104—Mining engineering—Mining **54, 56,** and **91.** 4 hours lectures and reading as required.

105–106—Design of mine plant—Mining **71–72, 73,** and **75.** 3 hours and 4 afternoons draughting-room work.

107–108—Design of ore-dressing works—Mining **80, 81, 82, 73,** and **75,** with 1 hour conference additional, first half-year. 3 hours and 5 afternoons laboratory and draughting-room work.

109–110—Mining—All the undergraduate courses in the Department of Mining.

Under the regulations for the degrees of A.M. and Ph.D. the following courses may be offered by graduate students who have had all the undergraduate courses in Mining or their equivalent:

201–202—Methods of mining—Critical study of methods used in some mining region, or for a certain class of deposits.

203–204—Mining plant—Critical study of rock drilling, or coal cutting, or hoisting, or haulage, or ventilating plant at some mine or mines.

205–206—Deep mining—Study of problems involved.

207–208—Ore dressing—Critical study of some detail of the ordinary dressing methods.

209–210—Examination of a coal-washing plant, or an ore-dressing plant—4 to 6 weeks' work in the mill and in the laboratory, with conferences.

211s—Examination of a mineral property, or a mine—4 to 6 weeks devoted to field and underground work, with conferences at convenience of professor.

213–214—Economic studies in mining—Study of existing conditions affecting the production and cost of some mineral or metal.

Equipment

LECTURE ILLUSTRATIONS—The lectures on mining are illustrated by 6 sets of books aggregating over 300 volumes, and containing 90,000 blue-prints from negatives made for the purpose. There are a sufficient number of these books, illustrating the different courses of lectures, so that each student has the use of one or more for reference during the lectures and for home study. These blue-prints have many advantages over the usual form of lecture illustrations by lantern slides or wall diagrams. The latter are, however, used when necessary to supplement the blue-prints.

MINING LIBRARY—The University Library contains sets of the transactions of all mining, metallurgical, and engineering societies, and of the more important periodical publications on these subjects. There is also a large collection of books on mining, and all new publications of value are added as they appear. In addition, a small departmental reference library has been created, which is accessible to students at all times.

MINING MUSEUM—The subject of mining is illustrated by collections as follows: Maps of coal and metal mines of this and other countries. Working drawings, diagrams, and photographs of mine plant, and of mining and dressing machinery. Models of mines and parts of mines and of mine plant. Mining tools: picks, shovels, hammers, drills, blasting apparatus, lamps, safety-lamps, anemometers, and machine drills. Ores and dressing products from typical works in this and other countries. Surveying instruments: geological compasses and clinometers, attraction compasses, dipping needles, hanging compasses and arcs, transits, lamp signals, rods, and apparatus for plumbing and measuring shafts.

MINING LABORATORIES—The basement and sub-basement of the School of Mines are equipped as laboratories for the Department of Mining. These laboratories serve four purposes: 1. To illustrate the physical laws bearing on mineral separation. 2. To afford opportunity for quantitative working tests. 3. To train students in the adjustment and operation of concentrating machinery, and in the making of efficiency tests under working conditions. 4. To give advanced students and others all necessary facilities for original investigation.

MINES AND DRESSING WORKS—Many coal, iron, and other mines, slate and stone quarries, and metallurgical works are easily accessible. Within a radius of one hundred miles of New York City may be studied numerous examples of the best practice in mining and metallurgy under most varied conditions, and some of the most modern and effective mining and dressing machinery and smelting plants in the

country. The excursions of the Summer Class in Mining extend as far as the iron, copper, zinc, lead, silver, and gold regions of Michigan, Missouri, Montana, Colorado, Arizona, Utah, and California.

The metropolitan situation of the School renders it possible to present, also, as parts of the regular courses in mining, special lectures by prominent engineers. The list of such lecturers for 1911–12 and more detailed information as to the courses offered and as to the facilities for instruction will be found in the *Announcement of the Schools of Mines, Engineering, and Chemistry*, 1911–12.

Music

Professor: RÜBNER (*Executive Officer*)
Assistant Professor: MASON
Associate: WARD
Conductor of Chorus: HALL

Courses

See introductory paragraphs, page 57

1–2—History of music. 2 hours. Professor MASON

3–4—History of music, advanced. 2 hours. Professor MASON

7–8—Harmony. 3 hours. Mr. WARD

9–10—Advanced harmony and elementary form. 2 hours. Professor MASON

11–12—Counterpoint. 2 hours. Professor MASON

13–14—Composition and orchestration. 2 hours. Professor RÜBNER

31–32—University orchestra. 2 hours. Professor RÜBNER

33–34—University chorus. Mr. HALL

101–102—Advanced composition, orchestration, and symphonic form. 2 hours. Professor RÜBNER

Summer Session

s**1–2**—General musical course. 2 points. Professor COLE

s**7–8**—Harmony. 2 points. Professor COLE

Extension

e**X1–X2**—Vocal training for service in choirs. 1½ points. Mr. NICHOLS

e**33–34**—University chorus. 2 points. Mr. HALL

e**Z**—Sight-reading and accompanying for key-board instruments. 2 points. Mr. LAMOND

Fourteen courses in teaching and supervision of music are offered at Teachers College. (See the *Announcement of Teachers College.*)

The Department of Music offers numerous concerts and recitals to the University. These include various concerts of chamber music, organ recitals, an annual recital of original compositions by students in the department, and the regular concerts of the University Orchestra

Equipment

A collection of music and of books of reference is placed at the disposal of students. It includes the complete works of various composers, many orchestral and opera scores, the piano-forte classics, and vocal music, besides many theoretical, historical, and biographical works. The department has also a collection of instruments for the use of students participating in the University Orchestra.

Nature Study

(See Botany and Zoölogy)

Five courses in nature study for elementary and high schools are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College.*

Neurology

Professors: PETERSON and STARR (*Executive Officer*)
Associate Professor: HUNT (J. R.)
Associate: SCRIPTURE
Instructors: HABERMAN, HUNT (E. L.), and GREGORY
Clinical Assistants: Neurology—ATWOOD, BELING, BRILL, CLARK (J. E.), FISK, GARRETSON, HABERMAN, HUMPHREYS, HUNT, JELLIFFE, MACRAE, MACUMBER, MCENTREE, POU; *Psychiatry*— BRILL, GREGORY (*Chief*), HAVILAND, and POU

Courses

See introductory paragraphs, page 57

51—Didactic lectures with lantern demonstration on nervous diseases. 1 hour. Professor STARR

53–54—Clinical lectures. 1 hour. Professor STARR

55–56—Practical neurology. 2 hours for 8 weeks. Professor HUNT, Drs. E. L. HUNT, SCRIPTURE, and HABERMAN

57—Psychiatry. Clinics at Bellevue Hospital. 1 hour. October, November, and December. Prof. PETERSON

59–60—Practical instruction in examination and diagnosis of insane patients is given in sections at Bellevue. Professor PETERSON

61–62—A research laboratory for the study of border-line cases at the Vanderbilt Clinic by Dr. SCRIPTURE

64—Lectures on neurological subjects—6 lectures, one hour each. Professor J. RAMSEY HUNT

Nursing and Health

Sixteen courses in Nurses' Education, Hospital Administration, School and Municipal Nursing are provided by the School of Household Arts of Teachers College and described in the special circular of that School and of the Department of Nursing and Health.

Obstetrics

Professors: CRAGIN (*Executive Officer*) and PAINTER
Assistant Professor: VOORHEES
Associate: DAVIS
Instructor: LYON
Assistant: SICARD

Courses

See introductory paragraphs, page 57

51—Theory and practice. 3 hours, two didactic and one clinical. Professor CRAGIN

53–54—Recitations and demonstrations. 1 hour. Dr. VOORHEES

55–56—Practical instruction at the Sloane Hospital for Women. 3 weeks. Dr. LYON

57–58—Out-patient service at the New York Infant Asylum. 2 weeks. Professor PAINTER and Drs. DAVIS and SICARD

The Sloane Hospital for Women

The Sloane Hospital for Women is situated at the corner of Fifty-ninth Street and Amsterdam Avemue, and is equipped with all modern conveniences for the care of both obstetrical and gynecological cases.

The wards of the hospital furnish one hundred and twenty-two obstetrical beds, aside from the babies' cribs, and twenty-eight gynecological beds. In addition there are forty private-room beds and ample accommodations for the house staff, nurses, and students.

The service of the hospital is under the exclusive direction of the Professor of Obstetrics and Gynecology in the College of Physicians and

Surgeons, an Instructor in Obstetrics and an Instructor in Gynecology being Resident Officers. There are two large operating rooms, one for obstetrics and one for gynecology, each equipped with all modern appliances for dealing with these conditions, and here Professor Cragin holds weekly clinics throughout the year.

The deliveries during the year 1910 numbered 1810.

With the completion of the Gynecological Department of the Sloane Hospital, the operative material of the large gynecological service of the Vanderbilt Clinic is made available for teaching purposes, so that now students of the College of Physicians and Surgeons receive on the college grounds practical instruction, not only in normal and complicated obstetrics and the care of young babies, but in the treatment, operative and palliative, of all diseases of the female pelvic organs.

Oriental Languages

CHINESE

Professor: HIRTH

Courses 101–102, 103–104, and 105–106, are open to Seniors in Columbia College.

See introductory paragraphs, page 57

101–102—Elementary course—Study of Chinese characters and language. 3 hours. Professor HIRTH

103–104—The Mandarin dialect. 2 hours. Professor HIRTH

105–106—History of China, with remarks on language, literature, government, art, and social life. 2 hours. Professor HIRTH

201–202—Analysis and translation of easy documents written in the Chinese modern business style. 2 hours. Professor HIRTH

203–204—Analysis and translation of easy literary texts. 2 hours. Professor HIRTH

205–206—Helps and keys in Chinese literature. 2 hours. Professor HIRTH

301–302—Seminar for the study of Chinese government matters. 2 hours. Professor HIRTH

303–304—Seminar for historical studies in Chinese literature. 2 hours. Professor HIRTH

305–306—Seminar for the study of Chinese art, industry, and general culture. 2 hours. Professor HIRTH

INDO-IRANIAN LANGUAGES

Professor: JACKSON
Lecturer: YOHANNAN

Courses

See introductory paragraphs, page 57

101—Sanskrit, elementary course. Grammar and reading of texts. 3 hours. Professor JACKSON

102—Sanskrit, second course. 3 hours. Reading of texts. Professor JACKSON

103—Avestan, elementary course. Grammar and reading of texts. 2 hours. Professor JACKSON

104—Avestan, second course. Reading of texts. Professor JACKSON

105—Sanskrit, advanced course. 2 hours. Professor JACKSON

106—Sanskrit, advanced course. 2 hours. Professor JACKSON

107—Modern Persian, introductory course. 2 hours. Dr. YOHANNAN

108—Modern Persian, second course. 2 hours. Dr. YOHANNAN

109—History of India and of Persia. 2 hours. Professor JACKSON

201–202—Avestan, advanced course. 2 hours. Professor JACKSON

203–204—Pali, elementary course. 1 hour. Professor JACKSON

205—Old Persian cuneiform inscriptions. 1 hour. Professor JACKSON

206—Pahlavi, introductory course. 1 hour. Professor JACKSON

207–208—Sanskrit literature. 1 hour. Professor JACKSON

209—Zoroastrian Gathas. 1 hour. Professor JACKSON

210—Zoroaster and Buddha, their life and teachings. 1 hour. Professor JACKSON

211–212—Modern Persian, second-year course. 2 hours. Dr. YOHANNAN

301–302—Indo-Iranian seminar. 2 hours. Professor JACKSON

Armenian

213–214—Principles of the grammar with selected readings. 2 hours. Dr. YOHANNAN

Turkish

215—Principles of the grammar. 2 hours. Dr. YOHANNAN

216—Exercises in Turkish conversation and in the reading of Turkish newspapers. 2 hours. Dr. YOHANNAN

The Science of Language

111–112—Introduction to the study of language. 2 hours. Professor JACKSON, in co-operation with Professors BOAS (American languages),

CARPENTER (Germanic), FARRAND (linguistic pathology), GOTTHEIL (Semitic), HALLOCK (acoustics), HIRTH (Chinese), KRAPP (English), LODGE (Latin), OLCOTT (Italic), PERRY (Greek), PRINCE (Sumerian and Egyptian), REMY (special linguistic phenomena), TODD (Romance).

113–114—Types of language. 2 hours. The Professors of the various departments concerned.

Public Lectures

A course of public lectures on the literature, antiquities, and religion of the Orient is given each year.

SEMITIC LANGUAGES

Professors: GOTTHEIL (*Executive Officer*) and PRINCE
Lecturers: KOENIG and VANDERBURGH

Courses

See introductory paragraphs, page 57

101–102—Biblical Hebrew, elementary course. 2 hours. Professor GOTTHEIL and Dr. KOENIG

103—Biblical Hebrew, second course. 2 hours. Professor PRINCE

103a—Biblical Hebrew, second course. Poetry. 2 hours. Dr. KOENIG

104—Biblical Hebrew, third course. 2 hours. Professor GOTTHEIL

[105—Biblical Hebrew, archæology and the Old Testament. 2 hours. Professor GOTTHEIL]

Union Theological Seminary

1–2—The history, literature, and religion of the Old Testament in outline. 2 hours. Professor F. BROWN

64—Exegetical Class. Psalms. 2 hours. Professor BEWER

106—Textual criticism of the Old Testament. 2 hours. Professor BEWER

30—Selections from the Exilic and post-Exilic Prophets. 2 hours. Professor BEWER

Seminar: Ecclesiastes. 2 hours. Professor BEWER

Rabbinical Hebrew

[107–108—Selected readings from the Mishnah. 2 hours. Professor GOTTHEIL]

109–110—Selected readings from the Talmud, Treatise Berachoth. 2 hours. Professor GOTTHEIL

201—Selected readings from Hebrew historical works of the Middle Ages. 2 hours. Professor GOTTHEIL

Epigraphy

203—Interpretation of the Phœnician inscriptions, with an introduction to Semitic palæography and the history of the alphabet. 2 hours. Professor GOTTHEIL

204—Interpretation of the Aramæan inscriptions of Sinjirli. 2 hours.

[**208**—Interpretation of the Sabæan and Himyaritic inscriptions contained in the *Corpus Inscriptionum Semiticarum*, vol. iv. 1 hour. Professor GOTTHEIL]

Assyrian

111—Elementary course. 2 hours. Professor PRINCE

112—Second course—Study of the Syllabary. 2 hours. Professor PRINCE

209—Third course—Study of texts. 2 hours. Professor PRINCE

209A—Third course—Readings. Dr. VANDERBURGH

210—Fourth course—Study of texts. 3 hours. Professor PRINCE, Dr. VANDERBURGH

211—Advanced course—Sumerian Lexicography. 2 hours. Professor PRINCE

212—Advanced course—Sumerian hymns from cuneiform texts in the British Museum. 2 hours. Professor PRINCE

Arabic

113—Elementary course. 2 hours. Dr. KOENIG

114—Second course. 2 hours. Dr. KOENIG

215–216—Modern Arabic, Dialect of Egypt. Professors GOTTHEIL and PRINCE

213—Advanced course—Selections from geographical writers. 2 hours. Dr. KOENIG

214—Advanced course—Selections from al-Bukhari. 2 hours. Professor GOTTHEIL

Syriac

115—First course. 2 hours. Dr. KOENIG

116—Second course. 2 hours. Dr. KOENIG

117—Third course. 2 hours. Professor GOTTHEIL and Dr. YOHANNAN

118—Fourth course. 2 hours. Professor GOTTHEIL and Dr. YOHANNAN

Ethiopic

216–217—Principles of the grammar, and reading of extracts. 2 hours. Professor GOTTHEIL

Oriental History

119—The ancient history of Western Asia from the earliest times until the period of Alexander the Great. 2 hours. Professor PRINCE

This course is identical with History 109

[120—The rise of Arabian civilization and the spread of Mohammedanism. 2 hours. Professor GOTTHEIL]

This course is identical with History 104

122—Political and social evolution of Modern Turkey and Egypt. 2 hours. Professor GOTTHEIL

123–124—Lectures on Arabic literature. 2 hours. Dr. KOENIG

Semitic Seminar

301–302—Study of current questions in Semitic philology and history with especial reference to modern methods of research. 2 hours. Professors GOTTHEIL and PRINCE

Egyptian

218—Elementary course in Coptic. 1 hour. Professor PRINCE

[219—Egyptian hieroglyphs and advanced Coptic. Professor PRINCE]

Pathology

Professor: MACCALLUM (*Executive Officer*)
Assistant Professors: LARKIN and STEWART
Associates: HAINES, LEVIN, and PAPPENHEIMER
Instructors: HUMPHREYS and LAMBERT
Assistants: LAMB and SOPER

Courses

See also introductory paragraphs, page 57

52—General pathology. 9 hours. Professors MACCALLUM, LARKIN, and STEWART, and Drs. HANES, PAPPENHEIMER, and ROSENBLOOM

54—Conference in general pathology—Recitation or conference dealing with subjects studied during the preceding week. 1 hour. Professor MACCALLUM

55–56—Gross pathological anatomy — Demonstration of autopsy material. 2 hours. Professors MacCallum, Larkin, and others

57–58—Autopsy technique. 3 times a week in different hospitals. Professors MacCallum, Stewart, and Larkin, and Dr. Hanes and others

59–60—Advanced pathology and research. Professor MacCallum

61—Experimental pathology. Professor Stewart

63–64—Clinical and pathological conference. 1½ hours for 12 weeks. Professors Janeway and MacCallum, Drs. Longcope, Hanes, and others

65—Optional pathological anatomy of the diseases of children. Professor MacCallum

Museum

The Museum of Pathology, in charge of Professor Larkin, is made use of in the work of this department, both for the instruction of medical students and as a place of deposit for specimens showing new or rare forms of lesions.

Equipment

The Department of Pathology occupies the greater part of the fourth floor of the north wing of the College building, together with large class laboratories, amphitheatre, photographic rooms, etc., on the fifth floor. On the roof there is commodious accommodation for animals, together with small special rooms for experimental work.

On the fourth floor there are, besides the rooms devoted to the staff, large rooms with abundant desk room for special workers, several specially equipped operating rooms for aseptic experimental work, a small chemical laboratory, the museum, preparation rooms, cold storage, etc. Two rooms on this floor are occupied by the library, which is accessible to workers in this and related departments.

The entire space is amply lighted, fully furnished, and equipped with apparatus necessary for routine teaching and special research.

Pharmacology, Materia Medica, and Therapeutics

Professors: Baruch and Lambert (*Executive Officer*)
Assistant Professor: Williams (W. R.)
Associates: Bastedo, Lieb, and Patterson
Instructors: Class, Haberman, Hale, Shrady, and Schulman
Assistants: Boyd and Hutton
Clinical Assistants in Applied Therapeutics: Fink, Bartholow, Burnham, Beck (B. J.), Beck (S.), Devoe, Strong
Clinical Assistant in Hydrotherapy: Wittson

Courses

See introductory paragraphs, page 57

51—Conferences on applied therapeutics. 1 hour. Professor LAMBERT

53–54—Clinical instruction in therapeutics. 13 hours for 8 weeks, at the Vanderbilt Clinic. Professor LAMBERT and Drs. HALE, SCHULMAN, HABERMAN, CLASS, BOYD, HUTTON, and CUSSLER

55–56—Recitations on general therapeutics. 2 hours. Professor WILLIAMS

57–58—Lectures on the principles of pharmacology and therapeutics. 1 hour. Professor WILLIAMS, Drs. PATTERSON and FOSTER

59–60—Lectures on materia medica, pharmacology, and therapeutics. 2 hours. Dr. BASTEDO

61—Practical instruction in the pharmaceutical laboratory. 2½ hours. Dr. BASTEDO

62—Laboratory course in experimental pharmacology. 2 hours. Dr. LIEB

63–64—Recitations in materia medica and pharmacology. 2 hours. Dr. LIEB

66—Prescription writing. 1 hour during fourth quarter year. Dr. BASTEDO

70—Lectures on hydrotherapy. 1 hour. Professor BARUCH

71–72—Practical instruction in hydrotherapy. Eight 2-hour exercises. Professor BARUCH and Dr. SHRADY

In the Vanderbilt Clinic the Department of Hydrotherapy is equipped with all appliances for the practical applications of water in disease, and every student is called upon to make practical use of the apparatus.

75—Lectures bearing upon the practical work of examining for life insurance. 4 or 5 lectures. Dr. ROGERS

Research

The research laboratory of pharmacology is open to a limited number of workers.

Pharmacy

The New York College of Pharmacy is the Division of Pharmacy of Columbia University. In the section of the Catalogue devoted to the College of Pharmacy will be found a list of its officers and information as to the equipment and method of instruction. The Program of Studies includes the following courses:

Junior Year

Physics—Lectures, recitations, and laboratory, Professor ARNY

General and Pharmaceutical Chemistry—Lectures, Professor ARNY; recitations, Professor OEHLER

Analytical Chemistry—Laboratory work, Professor VORISEK; recitations, Dr. LESLIE

Mathematics of Pharmacy—Practical exercises, Professor VORISEK

Theory of Pharmacy—Lectures, Professor DIEKMAN; recitations, Mr. HOHMANN

Practical Pharmacy—Laboratory course, Professors DIEKMAN and WIMMER, and Mr. HOHMANN

Dispensing Pharmacy—Laboratory course, Professors DIEKMAN and WIMMER and Mr. HOHMANN

Botany—Lectures, Professor RUSBY; recitations, Dr. BALLARD

Pharmacognosy—General laboratory course, Professor RUSBY; histological laboratory course, Professor MANSFIELD and Dr. BALLARD

Physiology—Lectures, Professor RUSBY; recitations, Professor RUSBY and Dr. BALLARD

Toxicology and Posology—Recitations, Dr. BALLARD

Biology—Professor MANSFIELD

Senior Year

Organic Chemistry—Lectures, Professor ARNY; recitations, Professor OEHLER

Pharmaceutical Chemistry (inorganic and organic)—Lectures, Professor ARNY; recitations, Professor OEHLER

Analytical Chemistry—Laboratory work, Professor VORISEK and Dr. LESLIE

Practical Pharmacy—Lectures and recitations, Professor DIEKMAN; laboratory course, Professors DIEKMAN and WIMMER

Dispensing Pharmacy—Laboratory course, Professors DIEKMAN and WIMMER, and Mr. HOHMANN

Materia Medica—Lectures, Professor RUSBY; recitations, Professor RUSBY and Dr. BALLARD

Toxicology—Lectures, Professor RUSBY; recitations, Professor RUSBY and Dr. BALLARD

Commercial Pharmacognosy—Laboratory, Professor MANSFIELD and Dr. BALLARD

Histological Pharmacognosy—Laboratory course, Professor MANSFIELD and Dr. BALLARD

Biology—Professor MANSFIELD

Graduate Courses

Plant Analysis—Laboratory, Professor RUSBY

Technical Microscopy—Laboratory, Professor MANSFIELD

Bacteriology—Laboratory course, Professor JESSUP

Quantitative Analysis—Laboratory, Professor VORISEK

Organic Analysis—Laboratory, Professor ARNY

Theory and Practice of Inorganic Quantitative Analysis—Lectures, Professor VORISEK

Commercial Organic Analysis and Toxicology—Lectures, Professor ARNY

Pharmaceutical Assaying and Higher Pharmacy—Lectures and laboratory work, Professors DIEKMAN and WIMMER, and Mr. HOHMANN

Physiological Chemistry—Lectures, Professor GIES

Food and Drug Course

Commercial Organic Analysis and Toxicology—Lectures and laboratory course, Professor ARNY

Inorganic Quantitative Analysis—Lectures and laboratory course, Professor VORISEK

Pharmaceutical Assaying—Lectures and laboratory course, Professors DIEKMAN and WIMMER and Mr. HOHMANN

Technical Microscopy—Laboratory course, Professor MANSFIELD

Food and Drug Inspection—Lectures, Professor DUFF

Philosophy and Psychology

Professors: ADLER, CATTELL, DEWEY, FULLERTON, LORD, MACVANNEL, MILLER (D. S.), STRONG, THORNDIKE (E. L.), WOODBRIDGE (*Executive Officer, Philosophy*), and WOODWORTH (*Executive Officer, Psychology*)

Associate Professors: JONES, MONTAGUE, NORSWORTHY, and RUGER

Associates: BUSH and PITKIN

Instructors: BROWN, COOLEY, HOLLINGWORTH, and WHITLEY

Lecturers: WELLS and HARTMANN

Assistants: COSS, DASHIELL, POFFENBERGER, and TODD

See introductory paragraphs, page 57

A1–A2—Principles of science. 3 hours. (Columbia College.) Professor JONES, Drs. BROWN and COOLEY and Mr. HARTMANN. Introductory

psychology. 3 hours, first half-year. Introductory logic. 3 hours, second half-year. (Barnard College.) Professor MONTAGUE, Dr. HOLLINGWORTH, and Dr. BROWN

21–22—Ethics. 3 hours. Professor LORD

61–62—History of philosophy. 3 hours. Professor WOODBRIDGE (Columbia). Professor MONTAGUE (Barnard)

79–80—Contemporary philosophy and metaphysics. 3 hours. Professor MONTAGUE and Dr. BROWN (Columbia), contemporary philosophy. 2 hours. Dr. BROWN (Barnard).

105—Theories of experience. 2 hours. Professor DEWEY

106—The mind and the world. 2 hours. Professor FULLERTON

108—Philosophy and life in the light of modern thought. 2 hours. Professor FULLERTON

115–116—Types of theistic approach. 2 hours. Dr. COOLEY

126—The ethics of social reform. 2 hours. Professor ADLER

131—Moral and political philosophy. 2 hours. Professor DEWEY

142—Esthetics. 2 hours. Dr. BUSH

165—British philosophy. 3 hours. Mr. PITKIN

166—Continental philosophy, Descartes, Spinoza, and Leibniz. 3 hours. Dr. BUSH

167—Kant. 2 hours. Professor WOODBRIDGE

173—Plato. 3 hours. Dr. BUSH

174—Aristotle. 2 hours. Professor WOODBRIDGE

181–182—Philosophy of education. 2 hours. Professor MACVANNEL

202—Outline of a realistic metaphysic. 2 hours. Mr. PITKIN

203—The theory of consciousness in philosophy since Descartes. 2 hours. Professor WOODBRIDGE

206—Seminar: Selected problems in philosophy. 2 hours. Professor FULLERTON

211—Research work on theses. Professor DEWEY

213–214—Research work on theses. Professor WOODBRIDGE

219—Research work in symbolic logic. Dr. BROWN

225–226—Seminar in ethics. 2 hours. Professor ADLER

279–280—Contemporary philosophy. 2 hours. Professor MONTAGUE

281–282—Seminar in the philosophy of education. Professor MACVANNEL

411–416—Philosophy of religion. Professor KNOX (at the Union Theological Seminary)

417–420—Philosophy of religion. Professor MILLER (at the General Theological Seminary)

421–426—Ethics. Professor T. C. HALL (at the Union Theological Seminary)

427–430—Ethics. Professor HUNT (at the General Theological Seminary)

Summer Session

sA1—Principles of science: methods, deductive and inductive logic. 3 points. Dr. BROWN

sA2—Principles of science: concepts and problems of philosophy. 3 points. Dr. COOLEY

s61—History of ancient philosophy. 2 points. Professor WOODBRIDGE

s62—The history of modern philosophy. 2 points. Professor MONTAGUE

s100—Philosophy of religion. 2 points. Professor WOOD

s101—History of religion. 2 points. Professor WOOD

s109—Foundations of methods. Professor DEWEY

s167—Schopenhauer and contemporary pessimism. 2 points. Dr. BROWN

s179—Contemporary pragmatism. 2 points. Professor MONTAGUE

s203—Metaphysics. 2 points. Professor WOODBRIDGE

Extension

eA1—Principles of science: methods, deductive and inductive logic. 3 points. Dr. BROWN

eA2—Principles of science: concepts and problems of philosophy. 3 points. Dr. BROWN

e161–162—History of philosophy. 2 points. Dr. COOLEY

Psychology

1–2—Elements of psychology. 3 hours. Professor LORD

3–4—Elements of experimental psychology. *C* 2 hours, *L* 4 hours. Professor WOODWORTH, Messrs. TODD and POFFENBERGER

7–8—Experimental psychology, introductory course. *C* 2 hours, *L* 4 hours. Dr. HOLLINGWORTH (Barnard)

9–10—Experimental psychology, intermediate course. 2 hours. Dr. HOLLINGWORTH (Barnard)

21–22—The psychology of childhood. 2 hours. Professor NORSWORTHY

24—The psychology and education of exceptional children. 2 hours. Professors THORNDIKE and NORSWORTHY

111–112—Experimental psychology, advanced course. 2 hours. Professor CATTELL

113–114—Experimental psychology. Laboratory work. 2 to 8 hours. Professor CATTELL and Mr. TODD

117–118—Applications of experimental psychology to education. 2 hours. Professor RUGER

121–122—Educational psychology, advanced course. 2 hours. Professor THORNDIKE and Mr. O'GORMAN

124—The psychology of the elementary school subjects. 1 hour. Professor THORNDIKE

131—Physiological psychology. 2 hours. Professor WOODWORTH

133—Laboratory course in physiological psychology. Professor WOODWORTH and Mr. POFFENBERGER

136—Pathological psychology. 2 hours. Dr. WELLS

170[1]–171—The psychology of religion. Professor COE

221–222—Educational psychology, advanced course. 2 hours. Professor THORNDIKE

231—Problems and methods of psychology. 2 hours. Professor WOODWORTH

232—Psychology of association. 2 hours. Dr. WELLS

233–234—Application of psychological and statistical methods to education. 2 hours. Professor THORNDIKE

235–236—Pathological psychology, advanced course. 2 hours. Dr. WELLS

251–252—Neurology and psychiatry. 1 hour, four months. Not open to women. Professor STARR

281–282—Seminar in psychology. 2 hours. Professors CATTELL and WOODWORTH

283–284—Research in psychology. Professors CATTELL and WOODWORTH, Messrs. TODD and POFFENBERGER

301–302—Colloquium in psychology. Professor CATTELL

321–322—Seminar in educational psychology. Professor THORNDIKE

Summer Session

S1—Elements of psychology. 2 points. Professors PILLSBURY, DODGE, and BOOK

S101—Comparative and genetic psychology. 2 points. Professor PILLSBURY

[1] Union Theological Seminary.

s104—Experimental psychology. 2 points. Professor WOODWORTH

s111—The psychology of learning. 2 points. Professor BOOK

s131—Physiological psychology. 2 points. Professor WOODWORTH

s161—Analytic psychology. 2 points. Professor DODGE

s283—Research course. 2–4 points. Professors WOODWORTH, DODGE, PILLSBURY, and BOOK and Mr. TODD

Extension

e1–2—Elements of psychology. 3 points. Dr. HOLLINGWORTH

e141—Applied psychology. 2 points. Dr. STRONG

e142—Psychology of advertising. 2 points. Dr. STRONG

Equipment

LIBRARY FACILITIES—The library facilities of Columbia University and of the city of New York, for students of philosophy and psychology, are unusually good. The collection of books on the history of philosophy in the University Library is very large, that on Kant and his philosophy being especially complete. About 1000 periodicals are regularly received, and among them will be found every journal of importance, American or foreign, dealing with philosophy or psychology. Duplicates of the more important psychological books and journals are placed in the Psychological Laboratory, where there is also a card index of psychological literature containing over 25,000 titles. Students of psychology will also find much of value in the Library of the Academy of Medicine, 17 West 43d Street, which is open to students free of charge. The New York Public Library is also available for students, when introduced by one of the instructors, on especially favorable terms.

THE PSYCHOLOGICAL LABORATORY—The laboratory is in Schermerhorn Hall, a building "devoted to the advancement of natural science." It occupies the eastern half of the second floor and part of the floor immediately above, the rooms being as follows. A lecture-room, seating one hundred students, used also as a general laboratory; a seminar room with a department library, a workshop, a photographic and chemical room, an apparatus cabinet, an anthropometric laboratory, five rooms used as offices and laboratories by the officers of the department, and eight research laboratories. Two of these are dark-rooms, specially constructed to exclude sound as well as light, 18 feet high and well ventilated. The laboratory has light from the north and south, is supplied with electric current of both high and low potential, and is in all respects equipped both for instruction and research. The collection of apparatus includes: (1) Outfit for making and re-

pairing apparatus, electric motors, etc. A skilled instrument-maker is continually employed, adding greatly to the efficiency of the laboratory. (2) The outfit of an anthropometric laboratory with which Freshmen in the college and others are annually tested. (3) The apparatus, preparations, charts, etc., needed for complete courses in experimental and physiological psychology; and (4) the apparatus that has been used or is being used in special researches, a large part of which has been made especially for the laboratory. The outfit for the courses of instruction is now in large measure secured, and the annual appropriations can be used chiefly for apparatus needed in special researches.

Physical Education

Professor: WOOD (*Executive Officer*)
Associate Professor: MEYLAN
Instructors: FETTE and SKARSTROM
Assistants: FOWLER, BLOOM, FOSTER, GRAY (W.), HOLM, KENNEDY, SMITH (F. D.), WEEMAN, WARSHOWSKY (A.), and BOSCH (E.)

Courses

See introductory paragraphs, page 57

For Men

1–2—Hygiene. Lectures, quizzes, and a report on some phase of personal and community hygiene. 3 hours. Professor MEYLAN

A1–A2—Elementary graded gymnastic exercises, swimming, and lectures on personal hygiene. 2 hours. Dr. SKARSTROM

B1–B2—Graded gymnastic exercises, athletics, and lectures on personal hygiene and sanitation. 2 hours. Professor MEYLAN, Mr. FETTE, and Assistants

Extension

e**X1–X2**—Gymnastics. 2 points. Mr. FETTE

For Women

A1–A2—Elementary graded gymnastic exercises and lectures on personal hygiene. In sections. 2 hours. Miss CALHOUN

B1–B2—Graded gymnastic exercises and lectures on personal hygiene. In sections. 2 hours. Miss CALHOUN

C1–C2—National folk and æsthetic dancing. 2 hours. Miss CALHOUN

There are also fifteen courses given under the auspices of Teachers College: Physical Education 1–2, 3–4, 5–6, 9–10, 105, 107–108, 109–110, 114, 115–116, 119–120, 121–122, Education 87–88, 187–188, 189–190, and 289–290.

Equipment

The main exercising room is semicircular in shape, and has a floor area of 16,000 square feet. The ceiling is 35 feet high, and the room is well lighted and well ventilated, both naturally and artificially. The running track is 11 feet wide, with ends raised, and measures 10 laps to the mile. On the same floor as the running track are the Gymnasium and Director's offices, an auxiliary gymnasium 40 x 60 feet, rooms for fencing, boxing, and handball, two large dressing-rooms with 2000 steel lockers, and 32 shower-baths. Below the exercising room is the swimming pool, semicircular in shape; it measures 100 by 50 feet on its axes, and contains 200,000 gallons of water. The depth is from 4 to 10 feet. Around the pool are the dressing-rooms and 20 shower-, needle-, and tub-baths. On this floor is also a large room and two dressing-rooms equipped with shower-baths and lavatories, for the use of the various athletic teams.

The athletic field is equipped with a ¼ mile running track, baseball field, facilities for jumping, pole vaulting, putting the shot, etc., and eleven tennis courts.

The Gould Boat-house, located on the Hudson River, at the foot of 116th Street, is equipped with boats of all descriptions, lockers, baths, etc.

The Frederick Ferris Thompson Memorial Building, given to Teachers College by Mrs. F. F. Thompson, has been recently completed. It is a building of four stories devoted to the purposes of physical education and school hygiene. It contains offices, examination rooms, lecture- and class-rooms, laboratories, handball courts, bowling alleys, a swimming pool, four gymnasiums, rooms for corrective exercises, dressing-rooms, shower-baths, fencing-room, and a suite of rooms for photographic purposes. This building provides physical-training facilities for the women, the pupils of the Horace Mann School, and the varied equipment for the theoretical and practical instruction of professional students in Physical Education.

The Gymnasium is open daily during the academic year, except on Sundays and legal holidays, from 8.30 A.M. to 6.30 P.M., Saturdays to 5 P.M. It is closed for the entire day only on Thanksgiving, Christmas, New Year's, and Good Friday. On all other holidays it is open from 2 to 6 P.M. One or more of the instructors are on the floor at all times when the Gymnasium is open.

A course in physical education is required of all Freshmen and Sophomores in Columbia College, and first- and second-year students in the Schools of Mines, Engineering and Chemistry, except students holding

degrees from other colleges. A physical examination is required of each student in these classes upon entrance and at the end of the second year, and of all other students taking part in athletics.

Every student is entitled to a physical examination by the Medical Director. On the basis of this examination advice is given as to the kind and amount of exercise best adapted to his needs.

Physics

Professors: HALLOCK, POOR, PUPIN, WENDELL, WILLS, and WOODHULL
Assistant Professors: BURNSIDE, DAVIS, MALTBY, and PEGRAM (*Executive Officer*)
Associate: SIMPSON
Instructors: FARWELL, KENDALL, LANGFORD, MORSE, SEVERINGHAUS, TROWBRIDGE, WEBB, and WEINRICH
Lecturer: DAY
Assistants: BRAININ, FRAZEE, HINES, NELMS, SANDFORD, SCOTT, and STIFLER

Courses

See introductory paragraphs, page 57

A1–A2—General elementary physics. *C* 3 hours and *L* 2 hours. Professor DAVIS, Mr. FARWELL, Dr. STIFLER and Mr. FRAZEE

3–4–5—General physics. *C* 5 hours. Professor WENDELL, Dr. MORSE, Mr. FARWELL, Dr. WEINRICH, Mr. SEVERINGHAUS, Mr. KENDALL, Mr. NELMS, Mr. SCOTT, and Mr. HINES

11—Elementary mechanics. *C* 3 hours. Dr. WEBB

12—Properties of matter and heat. *C* 3 hours. Professor HALLOCK

41, 42—Laboratory physics. *L* 2, 4, or 6 hours, in connection with 11 or 12. Mr. FARWELL

13—Electricity and magnetism. *C* 3 hours. Professor HALLOCK

14—Light and radiation. *C* 3 hours. Dr. MORSE

43–44—Physical laboratory. *L* 3 hours. For Engineering students. Professor WENDELL, Dr. MORSE, Dr. WEINRICH, Mr. SEVERINGHAUS, Mr. KENDALL, Mr. NELMS, Mr. SCOTT, and Mr. HINES

61, 62—Laboratory physics. *L* 2, 4, or 6 hours, in connection with 13 or 14. Mr. FARWELL

71–72—Advanced laboratory physics. *L* 4 or 6 hours. Dr. TROWBRIDGE

101—Electricity and magnetism. 3 hours. Professor DAVIS

102—Sound and theory of oscillations. 2 hours. Professor DAVIS

103—Light. 3 hours. Professor HALLOCK

105—Physical measurements. 2 hours. Professor HALLOCK

108—Kinetic theory of gases. 2 hours. Professor DAVIS

151–152—Advanced laboratory course. *C* 1 hour, *L* 4–16 hours. Dr. TROWBRIDGE

201—Discharge of electricity through gases. 3 hours. Professor DAVIS

204—The design and construction of apparatus. 1 hour. Professor HALLOCK

205—Heat. 3 hours. Dr. DAY

206—Phenomena of radio-activity. 2 hours. Professor PEGRAM

211—Phenomena of radiation. 2 hours. Dr. MORSE

271–272—Original research under the direction of professors.

Barnard College

11–12—General physics. *C* 3 hours, *L* 2 hours. Professor MALTBY

31—Mechanics. *C* 3 hours, *L* 2 or 4 hours. Miss LANGFORD

32—Heat and properties of matter. *C* 3 hours, *L* 2 or 4 hours. Miss LANGFORD

33—Sound. *C* 3 hours, *L* 2 or 4 hours. Professor MALTBY

34—Light. *C* 3 hours, *L* 2 or 4 hours. Miss LANGFORD

35—Electricity and magnetism. Professor MALTBY

138—Theory of electricity. 3 hours. Professor MALTBY

145–146—Physical chemistry. Professor MALTBY

Teachers College

Physical science **51**—General course for teachers. 4 hours. Professor WOODHULL

Summer Session

s4A—Elementary course in general physics. 4 points. Professor HULL, Messrs. FARWELL, NELMS, FOSTER, and MARVIN

s3a—Elementary mechanics. 3 points. Mr. FARWELL

s3b—Elementary mechanics, wave-motion, and hydrostatics. 3 points. Mr. FARWELL

s4a—Heat. 3 points. Dr. MORSE

s4b—Light. 3 points. Dr. MORSE

s43—Laboratory course in general physics. 3 points. Mr. SEVERINGHAUS

s33*a*, or *b*—Intermediate laboratory course in general physics. 3 points. Mr. SEVERINGHAUS

s101—Electricity and magnetism. 2 points. Professor HALLOCK

s107—The teaching of elementary physics. 3 points. Professor HULL

s204—Optics. 3 points. Professor HALLOCK

s272—Research course. 2–4 points. Professor HALLOCK

Extension

eA1–A2—Elementary course in general physics. 4 points. Mr. FARWELL

Optometry 1–2—Theoretical optics. *C* 3 hours, *L* 2 hours. Dr. STIFLER

Optometry 3–4—Physiological optics. 3 hours. Professor HALLOCK

Optometry 9–10—Theoretical optics. *C* 3 hours, *L* 2 hours. Dr. STIFLER

Optometry 11–12—Physiological optics. 3 hours. Professor HALLOCK

Mathematical Physics

1—Mechanics: statics. 2 hours. Professors BURNSIDE, PEGRAM, Dr. WEBB, and Mr. SIMPSON

15–16—Analytical mechanics. 3 hours. Professor PEGRAM

102—Mechanics: continuation of mechanics 1. 5 hours. Professors BURNSIDE, PEGRAM and Dr. WEBB

103–104—Theoretical mechanics. 3 hours. Professor PEGRAM

105—Thermodynamics. 2 hours. Professor WILLS

107–108—Theory of electricity and magnetism. 2 hours first half-year, 3 hours second half-year. Professor WILLS

109–110—Theory of alternating current machines and theory of electrical currents. 4 hours first half-year, 3 hours second half-year. Professor PUPIN

201—Mechanics. 4 hours. Professor WILLS

202—Theory of elasticity. 2 hours. Professor WILLS

204—Hydrokinetics. 2 hours. Professor WILLS

205—Electricity and magnetism. 4 hours. Professor PUPIN

208—Theory of sound. 4 hours. Professor PEGRAM

209—Theory of radiation. 2 hours. Professor PEGRAM

210—Theory of light. 3 hours. Professor HALLOCK

212—Partial differential equations of physics. 4 hours. Professor WILLS

213—Thermodynamics and kinetic theory of gases. 4 hours. Professor PEGRAM

214—Statistical mechanics. 4 hours. Professor WILLS

215—Vector analysis and mathematical introduction. 4 hours. Professor WILLS

217—The relativity theory. 2 hours. Professor PEGRAM

219–220—Recent advances in electrical theory. 2 hours. Professor PUPIN

251—Celestial mechanics, elementary course. 2 hours. Professor POOR

252—Celestial mechanics, advanced course. 2 hours. Professor POOR

253—Tides and tidal currents. 2 hours. Professor POOR

254—The reduction of observations. 2 hours. Professor POOR

The advanced courses offered in mathematical physics are not all given in the same year.

Journal Club—The Journal Club of the Department meets every week for the discussion of the current literature of physics, and for reports of special investigations.

Summer Session

S1—Mechanics: statics. 2 points. Professors BURNSIDE and HODGE

S102*a*—Statics. 3 points. Professors BURNSIDE and HODGE

S102*b*—Dynamics. 3 points. Professors BURNSIDE and HODGE

Equipment

The laboratories and lecture-rooms of the Department of Physics are in Fayerweather Hall on the eastern side of the University grounds and in the basement of Philosophy Hall. The building is supplied with the usual general equipment of a physical laboratory. Gas, water, compressed air, and direct, alternating, and storage battery current for light, power, and experimental use is available throughout the laboratories.

The elementary laboratory for students in Columbia College is on the second floor. The two laboratories for the students in the School of Mines, Engineering, and Chemistry are on the basement floor. These undergraduate laboratories have been supplied with much new apparatus in the last three years. More advanced laboratory work, especially for first-year graduate students, is provided for in rooms on the third floor.

The laboratories used for research work have been named by the Trustees the "Phoenix Physical Laboratories," in memory of Mr. Stephen Whitney Phoenix, who bequeathed to the University a generous sum as an endowment for research in the physical sciences. Since 1903 the Department has been receiving sufficient appropriation from the income of the Phoenix fund to make extensive additions to its stock of apparatus. In addition to the supply from the Phoenix fund, the Department has

received considerable gifts of apparatus in the last few years, among which may be mentioned the physical apparatus of the late Ernest Kempton Adams, and a high potential, 7000 volts, generating set complete, from Dr. Peter Cooper Hewitt.

Under the professor of electro-mechanics extensive new laboratories in the Philosophy building are being equipped for research in the subjects of electricity and magnetism, at a cost for apparatus of $20,000. The laboratories afford unusual opportunities for students desiring to specialize in electricity and magnetism.

The Department employs two mechanics and laboratory helpers. The shops are well equipped with tools and machines.

The physical laboratories at Barnard occupy the second floor and part of the basement of Fiske Hall. They are well equipped laboratories for quantitative experimental work in the courses offered.

The physics laboratories and lecture-room of Teachers College are especially well equipped for illustrating the teaching of physics in secondary and normal schools.

Physiology

Professor: LEE (*Executive Officer*)
Associate Professor: BURTON-OPITZ
Assistant Professor: PIKE
Associates: EMERSON and WILLIAMS (H. B.)
Instructors: BINGHAM, GORDON, KEATOR, SHEARER, and TERRIBERRY

Courses

Courses **101–102, 103–104,** and **105,** as well as the courses of the Summer Session, are open to women.

See introductory paragraphs, page 57

1–2—Elementary physiology. *C* 1 hour, *L* 2 hours. Professor PIKE

101–102—General physiology. 1 hour. Professor LEE

103–104—Laboratory course in general physiology. 5 hours. Professor PIKE

105—Laboratory course in special physiology. 3 hours. Professor BURTON-OPITZ

106–107—Human physiology. *C* 5 hours, *D* 1 hour, *L* 3 hours. Professor BURTON-OPITZ, Drs. BINGHAM, GORDON, KEATOR, SHEARER, TERRIBERRY, and WILLIAMS

201—Clinical physiology. *C* 1 hour, *L* 2 hours. Professors BURTON-OPITZ and PIKE, Drs. EMERSON and WILLIAMS.

Research

The laboratory is open for research, under the direction of its officers, to advanced workers.

Journal Club

A journal club, composed of the members of the staff and graduate students, holds weekly meetings for the discussion of current literature and special investigations.

Summer Session

S1 or S1a—Elementary physiology. 2 points. Professor BURTON-OPITZ

S2—Advanced physiology. 1 point. Professor BURTON-OPITZ

S103—General physiology. 1 point. Professor BURTON-OPITZ

S104—Advanced practical physiology. 2 points. Professor BURTON-OPITZ

Equipment

The main equipment of the Department of Physiology is at the College of Physicians and Surgeons. It comprises one large laboratory, which is provided with special apparatus for teaching purposes; one large and four small laboratories for research; several private rooms for the use of the officers of the department; the Swift Physiological Cabinet, containing a specially endowed and very full collection of apparatus of precision, mainly for research; a library containing complete sets of all of the physiological journals, monographs and other books, and many reprints of special articles: two dark rooms for optical and photographic work, and an outfit of machines and tools for working in wood and metal. A skilled mechanic gives his entire time to the design, manufacture, and repair of apparatus. The laboratories are connected by wires with the Vanderbilt Clinic so that the string galvanometers of the department are available for making electrocardiographic records from patients at the clinic. In Schermerhorn Hall at Morningside Heights the department has the use of a laboratory equipment for the instruction of undergraduates.

Political Economy and Finance

(See page 92)

Political Philosophy

(See page 118)

Politics

(See page 125)

Practice of Medicine

Professor: T. C. JANEWAY (*Executive Officer*)
Professors of Clinical Medicine: BRILL, DRAPER, EVANS, HUBER, JACK-

SON (F. W.), JAMES (W. B.), KAUFMANN, KINNICUTT, LIBMAN, LOCKWOOD, NORRIE, THACHER, and STADTMÜLLER

Assistant Professor: LONGCOPE

Assistant Professors of Clinical Medicine: BOVAIRD, CAMAC, MILLER, and POTTER

Associates: FRISSELL and HART

Associates in Clinical Medicine: CARTER, HOLLIS, SUMNER, SWIFT, TUTTLE, and WILLIAMS (L. R.)

Instructors: EMERSON, HERRICK, MASON, MOSENTHAL and SWANN

Instructors in Clinical Medicine: CECIL, HENSEL, SCHWERDTFEGER, SHEARER, and WOODRUFF

Assistants: JAMES (H.), PARK, SNYDER, STRONG, and THACHER (H. C.)

Assistants in Clinical Medicine: BARRETT, ERDWURM, GILLETTE and BRENNER

Chiefs of Clinic: HERRICK and MASON

Clinical Assistants: BROWNELL, COSSITT, DOUNCE, FLEMING, JACOBUS, JAMES, KELLER, LIKELY, MARTIN, McCABE, MERRIMAN, MOSENTHAL, PARK, STRONG, SWANN, THACHER, WEINSTEIN

Courses

See introductory paragraphs, page 57

51—Physical diagnosis—Lecture demonstrations. 1 hour. November 1 to February 1. Professor JANEWAY, Drs. EMERSON and THACHER

52—Physical diagnosis—Vanderbilt Clinic. 4 hours for five weeks. Drs. EMERSON and THACHER

54—Elementary medical clinic—Vanderbilt Clinic. 2 hours. Professor JANEWAY and Dr. EMERSON

55–56—Theoretical instruction. 1 hour. Professor JANEWAY

57–58—Clinical lecture on general medicine. Vanderbilt Clinic. 1 hour. Professor JANEWAY

59–60—Clinical lecture on general medicine—City Hospital. 1½ hours. Professor EVANS

61–62—Physical and medical diagnosis—Vanderbilt Clinic and the Out-patient Departments of Presbyterian and Bellevue Hospitals. 48 hours for each student. Drs. HART, FRISSELL, CARTER, SHEARER, BARRETT, SWANN, and JAMES

63–64—Recitations in general medicine. 2 hours. Dr. FRISSELL

65–66—Recitations in general medicine. 2 hours. Dr. HERRICK

67–68—Clinical lectures in general medicine—Roosevelt Hospital. 2 hours. Professors EVANS, JACKSON, THACHER, and Dr. SUMNER

69–70—Clinical instruction—Presbyterian Hospital. 6 hours for 4 weeks. Professors JANEWAY, JAMES, KINNICUTT, THACHER, LONGCOPE, and BOVAIRD

71–72—Clinical and pathological conference. 1½ hours for twelve weeks. Professors JANEWAY, MACCALLUM, LONGCOPE, and Dr. SNYDER

73–74—Clinical instruction—St. Mary's Free Hospital for Children. 1 hour for four weeks. Dr. SWIFT

75–76—Clinical instruction—City Hospital. 2 hours a week for eight weeks. Professors POTTER, CAMAC, and Dr. WILLIAMS

77—Recitations in general medicine. 2 hours. Dr. MOSENTHAL

Clinical Clerkships—For particulars see page 236.

79–80—In the wards of the Presbyterian Hospital. Professors JANEWAY, LONGCOPE, and BOVAIRD

81–82—In the wards of St. Luke's Hospital. Professors LAMBERT and NORRIE, and Drs. HOLLIS, PATTERSON, and FRISSELL

83–84—In the wards of Bellevue Hospital. Professors LOCKWOOD, DRAPER, NORRIE, MILLER, and Dr. WOODRUFF

85–86—In the wards of the German Hospital. Professors KAUFMANN, STADTMÜLLER, and DENIG, and Drs. SCHWERDTFEGER and HENSEL

87–88—In the wards of Mt. Sinai Hospital. Professors BRILL and LIBMAN

202—Special course in pulmonary tuberculosis—This course, consisting of 12 clinical lectures combined with practical instruction, offers an opportunity for a limited number of graduates in medicine to study the special diagnosis and treatment of pulmonary tuberculosis. At the Bellevue Tuberculosis Clinic. Professor MILLER

Summer Session

s63–64—Physical and medical diagnosis. 2 points. Dr. MILLER

Psychology

(See page 152)

Public Law and Jurisprudence

(See page 125)

Religion

In addition to courses offered in conjunction with the Union and General Theological Seminaries, the following courses in Religion are given in Columbia College.

See introductory paragraphs, page 57

1–2—Introduction to the study of the Bible. 2 hours. Chaplain KNOX

3–4—Fundamentals of Religion. 3 hours. Professor THOMAS C. HALL of Union Theological Seminary

Rhetoric and English Composition

(See page 104)

Romance Languages and Literatures

Professors: COHN (*Executive Officer*), LANSON, TODD, and WEEKS
Assistant Professors: FONTAINE, GERIG, JORDAN, LIVINGSTON, and LOISEAUX
Instructors: BIGONGIARI, FORTIER, MULLER, and IMBERT

See introductory paragraphs, page 57

For courses under 100 there is a special numbering under French, Italian, and Spanish respectively. Courses above 100 are all numbered under the general heading Romance Languages and Literatures.

French

A1–A2—Elementary course. 3 hours. Professor WEEKS and Messrs. MULLER and FORTIER (Columbia), Professor GERIG and Messrs. MULLER and IMBERT (Barnard)

B1–B2—Syntax reading, and composition. 3 hours. Professors COHN and GERIG (Columbia), and Messrs. MULLER and IMBERT (Barnard)

B4—Grammar, reading, and composition. 5 hours, second half-year. Professor FONTAINE

C1–C2—Elementary course for graduate students. 2 hours. Professor JORDAN

1–2—General introduction to the study of French literature. 3 hours. Professor FONTAINE and Mr. FORTIER (Columbia), Mr. MULLER, Professor FONTAINE, and Mr. BIGONGIARI (Barnard)

3—Composition and conversation based on the history of France. 3 hours. Professor JORDAN

3–4—Modern prose writers, especially the historians. 3 hours. Professor JORDAN (Barnard)

4—Composition and conversation based upon scientific French. 3 hours. Professor JORDAN

5–6—History of French literature in the seventeenth century. 3 hours. Professor LOISEAUX (Columbia), Professor WEEKS (Barnard)

9–10—Composition. 1 hour. Professor JORDAN (Columbia), Mr. MULLER (Barnard)

11–12—Advanced composition and conversation. 1 hour. Professor JORDAN

21–22—Advanced grammar and composition. 3 hours. Professor COHN (Teachers College)

101—History of French literature in the seventeenth century down to 1660. 3 hours. Professors WEEKS and LOISEAUX

102—History of French literature in the seventeenth century after 1660. 3 hours. Professors LOISEAUX and WEEKS

103—History of French literature in the eighteenth century down to 1750. 3 hours. Professor LOISEAUX

104—History of French literature in the eighteenth century after 1750. 3 hours. Professor LOISEAUX

105—History of French literature in the nineteenth century down to 1852. 3 hours. Professor WEEKS

106—History of French literature in the nineteenth century after 1852. 3 hours. Professor WEEKS

111–112—History of French literature of the sixteenth century. 2 hours. Professor GERIG

113–114—Old French. 2 hours. Professor TODD

121–122—Methods of teaching French in secondary schools. Professor COHN. (Identical with Education 165–166)

[**205–206**—Special topics in nineteenth-century French literature. 2 hours. Professor COHN]

207—Special topics in eighteenth-century French literature. 2 hours. Professors LANSON and COHN

207a—Special topics in eighteenth-century French literature, practical exercises. 1 hour. Professor LANSON

208—Special topics in eighteenth-century French literature. 2 hours. Professor COHN

209–210—Special topics in sixteenth-century literature. 2 hours. Professor GERIG

Education **165–166**—Methods of teaching French in secondary schools. 2 hours. Professor COHN (Teachers College)

301–302—Seminar—Literary criticism in France, from the inception of the *Lundis* to the death of Sainte-Beuve. 2 hours. Professor COHN

Italian

1–2—Elementary course. 3 hours. Professor LIVINGSTON (Columbia), Mr. BIGONGIARI (Barnard)

3–4—General introduction to the study of Italian literature. 3 hours. Professor LIVINGSTON (Columbia), Mr. BIGONGIARI (Barnard)

131–132—The philosophical antecedents of the *Divina Commedia* of Dante. 3 hours. Mr. BIGONGIARI

133–134—Petrarch and Humanism: the Petrarchist movement. 3 hours. Professor LIVINGSTON

135–136—Italian literature of the nineteenth century. 2 hours. Mr. BIGONGIARI

137–138—Special topics in Italian literature. 2 hours. Professor LIVINGSTON

Spanish

1–2—Elementary course. 3 hours. Mr. IMBERT (Columbia), Professor FONTAINE (Barnard)

3–4—General introduction to Spanish literature. 3 hours. Professor LOISEAUX

[**11–12**—Spanish conversation. 1 hour. Professor LOISEAUX]

[**141–142**—The novela of the golden age. 3 hours. Professor LOISEAUX]

143–144—The Spanish comedia. 3 hours. Professor LOISEAUX

Romance Philology

151–152—Introduction to Romance philology. 2 hours. Professor TODD

[**253–254**—Oldest monuments of the French language. 1 hour. Professor TODD]

255–256—Critical constitution of texts. 1 hour. Professor TODD

257—Old Provençal. 1 hour. Professor TODD

259–260—Oldest monuments of the Italian and Spanish languages. 1 hour. Professor LIVINGSTON

271–272—Portuguese. 1 hour. Professor TODD

273–274—Rumanian. 2 hours. Professor COHN

303–304—Seminar—Presentation and discussion of doctoral dissertation work. 1½ hours. Professors TODD, WEEKS, and GERIG

Summer Session

French

sA1—Elementary course. 2 points. Mr. MULLER and Dr. ALEXANDER

sA2—Elementary reading and oral practice. 2 points. Mr. FORTIER

sA3—Supplementary course. 2 points. Professor Jordan and Mr. MULLER

This course may be taken simultaneously with sA1 with the special permission of the instructor.

sB1—Intermediate: first course. 2 points. Dr. ALEXANDER

sB2—Intermediate: second course. 2 points. Dr. ALEXANDER

s1—General introduction to the study of French literature. I. 2 points. Professor JORDAN

s2—General introduction to the study of French literature. II. 2 points. Mr. MULLER

s4—French conversation and composition, based upon scientific French. 2 points. Professor JORDAN

s6—History of French literature in the seventeenth century. Second course. 2 points. Professor LOISEAUX

s104—History of French literature in the second half of the eighteenth century. 2 points. Professor LOISEAUX

s106—History of the French literary movement in the second half of the nineteenth century. Period 1850–1870. Mr. FORTIER

s113—Old French. 2 points. Professor WEEKS

Italian

s1—Elementary: first course. 2 points. Professor MARINONI

s2—Elementary: second course. 2 points. Professor MARINONI

s3—General introduction to the study of Italian literature. 2 points. Professor MARINONI

Spanish

s1—Elementary I. 2 points. Professor FITZ-GERALD

s2—Elementary II. 2 points. Professor LOISEAUX

s3—General introduction to Spanish literature. I. 2 points. Mr. FORTIER

s4—General introduction to Spanish literature. II. 2 points. Professor FITZ-GERALD

Romance Philology

s152—Introduction to Romance philology. 2 points. Professor FITZ-GERALD

s275—Phonetics. 2 points. Professor WEEKS

Extension

French

eA1–A2—Elementary course. 3 points. Messrs. MULLER and IMBERT. (Also in Brooklyn and Newark)

eA3–A4—Elementary course. I. 1½ points. Mr. FARNSWORTH

eA5–A6—Elementary course. II. 1½ points. Mr. FARNSWORTH

eB1–B2—Intermediate course. 3 points. Professor FONTAINE, Mr. IMBERT. (Also in Newark)

e1–2—General introduction to the study of French literature. 3 points. Professor LOISEAUX

e3–4—Conversation and composition based upon the history of France. 3 points. Mr. FORTIER

Italian

e1–2—Elementary course. 3 points. Professor LIVINGSTON

Spanish

e1–2—Elementary course. 3 points. Mr. IMBERT. (Also in Brooklyn)

e3–4—Advanced course. 3 points. Mr. IMBERT

Public Lectures

Occasional lectures in French, in Italian, and in Spanish, open to all members of the University, are given by the members of the department and by invited lecturers.

The Romance Club

The Romance Club consists of all the instructors and advanced students in the department. At its meetings, which are partly of a social character, an account is given of the most important articles on the Romance languages and literatures in the recent French, English, German, Italian, and Spanish periodicals; new books are discussed, letters from absent instructors and former students in the department are read, etc.

Equipment

The Library of Columbia University is well supplied with French, Spanish, and Italian works, as well as with works upon Romance philology. Its list of periodicals of interest for students in the department is especially rich. The Library has also complete sets of the most important series and collections, such as the *Altfranzösische Bibliothek*, *Romanische Bibliothek*, publications of the Modern Language Association, publications of the Société des anciens Textes français, *Histoire littéraire de la France*, *Ausgaben und Abhandlungen aus dem Gebiete der romanische Philologie*, *Jahrbuch für romanische und englische sprachen*, etc.

A further special privilege enjoyed by the faculty and students of the Department of Romance Languages is that of using the library of the Hispanic Society of America, richest in the literature of Spain, but rich also in other related fields. The library is reached from Broadway, between 155th and 156th Streets.

Co-operation with the Alliance Française

Elementary evening classes in French are conducted by the department of Extension Teaching in co-operation with the Alliance Française.

French Societies

Two societies have been organized for the purpose of fostering the use of the French language among the members of the University, viz., the Société Française de l'Université Columbia, which admits only men, and the Société Française de Barnard College, which admits only women. They give performances of French plays. The following plays have been presented in recent years: Scribe and Legouvé, *Bataille de Dames;* Meilhac and Halévy, *L' Eté de la Saint Martin;* Eugène Labiche, *Le Voyage de M. Perrichon, Un Monsieur qui prend la mouche; Le Point de Mire;* Molière, *Le Médecin malgré lui, Les Fourberies de Scapin,* etc.

Shopwork

Offered by the School of Industrial Arts at Teachers College

Instructor: SLEFFEL
Shop Assistants: Ross and WALSH

1—Wood-turning and pattern-making. 2 half-days. Mr. Ross

2—Molding and foundry practice. 1 afternoon. Mr. SLEFFEL

10S—Machine work. 3 weeks. Mr. WALSH

11—Machine work. 2 half-days. Mr. WALSH

12—Forging. 2 half-days. Mr. SLEFFEL

13-14—Machine work. 1 afternoon. Mr. WALSH

15—Forging and foundry practice. 1 afternoon. Mr. SLEFFEL

16—Machine work. 1 afternoon. Mr. WALSH

18S—Pattern-making, forging, and machine work. Three weeks. Messrs. SLEFFEL, Ross, and WALSH

Social Economy

(See page 92)

Sociology and Statistics

(See page 94)

Surgery

Professors: BLAKE (*Executive Officer*), HAYDEN

Professors of Clinical Surgery: BREWER, DOWD, GERSTER, HARTLEY, HOTCHKISS, JOHNSON, KAMMERER, KILIANI, PECK, and WALKER

Associates: CLARKE and MARTIN

Associates in Clinical Surgery: ABBE and BERG (A. A.)

Instructors: AUCHINCLOSS, CONNELL, COX, JANEWAY (H. H.), KENYON, LYLE, SCHMITT, VAN BEUREN, REYNOLDS, and VOSBURGH

Instructors in Clinical Surgery: COLLINS, CONLEY, DARRACH, FISCHER, LAMBERT (A. V. S.), MCWILLIAMS, POOL, RUSSELL, STETTEN, TURNURE, and WHIPPLE

Assistants: DWIGHT, HOOKER, VAUGHAN, and WHITING

Clinical Assistants: KINGSLEY, LEGGETT, PHELPS, and WHITING

Courses

See introductory paragraphs, page 57

For courses in Genito-Urinary Diseases see under Clinical Instruction, page 88

51–52—Surgical pathology and general regional surgery. 1 hour. Professor BLAKE

53–54—Clinic in general surgery. Vanderbilt Clinic. 1 hour. Professor BLAKE

55—Clinic in general surgery. 1 hour. Roosevelt Hospital. Professor PECK

56—Clinic in general surgery. Presbyterian Hospital. 1 hour. Professor BLAKE

57–58—Clinic in general surgery. Vanderbilt Clinic. 1 hour. Professor BREWER

59–60—Clinic in general surgery. Roosevelt Hospital. 1 hour. Professor BREWER

61–62—Operative surgery on the cadaver. 10–12 lessons. Drs. MARTIN, SCHMITT, COX, and KENYON

65–66—Recitations and clinic in surgical pathology. 3 hours. Dr. CLARKE

68—Demonstration. Anatomy of fractures. 1 hour. Dr. DWIGHT

69–70—Clinical clerkships. Presbyterian, Professor BLAKE, Drs. MCWILLIAMS and WHIPPLE; German, Professors KILIANI, KAMMERER, Drs. FISCHER and STETTEN; Mt. Sinai, Professor GERSTER and Dr. BERG; New York, Professor JOHNSON, Drs. POOL and TURNURE; Bellevue, Professors HOTCHKISS, WALKER, Drs. VOSBURGH, LAMBERT, and CONLEY

71–72—Practical instruction in surgical technic in the laboratory for surgical research. 4 hours for four weeks. Dr. H. H. JANEWAY

73–74—Practical instruction in surgical pathology. 2 hours for 8 weeks. Drs. CLARKE, AUCHINCLOSS, and WHIPPLE

75–76—Practical instruction. St. Mary's Free Hospital for Children. 1 hour for four weeks. Professor DOWD

79–80—Minor surgery and bandaging. Practical instruction at the Vanderbilt Clinic. 48 lessons. Drs. VAN BEUREN and WHITING

81–82—Minor surgery and bandaging. Practical instruction at the Roosevelt Hospital Out-patient Department. 48 lessons. Dr. RUSSELL

83–84—Recitations in general and regional surgery. 2 hours. Dr. VOSBURGH

85–86—Recitations in general and regional surgery. 2 hours. Dr. CONNELL

87–88—Hospital Clinics—*Optional:*

New York Hospital—1 a week. Professor HARTLEY or JOHNSON

St. Luke's Hospital—1 a week. Dr. ABBE

Hospital for the Ruptured and Crippled—2 a week. Professor GIBNEY and Dr. WALKER. 2 a week, Professor WHITMAN

St. Mary's Free Hospital for Children—1 a week, Professor DOWD

General Memorial Hospital—2 a week. Professor DOWD

Zoölogy

Professors: BIGELOW, CALKINS, CRAMPTON, DEAN (B.), MORGAN (T. H.), OSBORN, and WILSON (*Executive Officer*)

Assistant Professors: MCGREGOR and OSBURN

Instructors: DEDERER and GREGORY (L. H.)

Lecturer: GREGORY (W. K.)

Assistants: DEAN (R. C.) and PACKARD

Of the following courses 1–2, 3–4, 91–92, and 101–102 are given separately at Barnard College, 5 and 151–152 only at Barnard.

For courses given at Teachers College see the current *Announcement of Teachers College.*

Courses

See introductory paragraphs, page 57

1–2—Elementary biology, zoölogy, general principles of biology. Prerequisite, Science A or elementary chemistry or physics. *C* 2 hours, *L* 4 hours. Professors CALKINS, DEAN, and MCGREGOR

1—General biology and invertebrate zoölogy. Professors CALKINS and MCGREGOR]

[2—Evolution and vertebrate zoölogy. Professors DEAN and MCGREGOR]

(Course 3–4 may with advantage be taken with 1–2 to form a more comprehensive course. It may be taken only in connection with or subsequent to 1–2)

3–4—General histology. *C* 1 hour, *L* 2 hours. Professor MCGREGOR. General embryology. *C* 1 hour, *L* 2 hours. Professor MORGAN

91–92—General zoölogy (to follow 1–2). Professor MCGREGOR

[91—Invertebrates. *C* 3 hours, *L* 6 hours]

[92—Vertebrates. *C* 3 hours, *L* 6 hours]

94—Embryology of vertebrates. *C* 1 hour, *L* 2 hours. Professor MCGREGOR. Prerequisite, 1–4

101–102—General zoölogy. *C* 3 hours, *L* 6 hours, and assigned work. Professor MCGREGOR

110—The parasitic protozoa. *C* 1 hour, *L* 5 hours. Professor CALKINS

151–152—General physiology (for women). *C* 2 hours, *L* 4 hours. Professor OSBURN and Miss GREGORY

201—Special topics in invertebrate zoölogy. Two days. Professor WILSON

203–204—Mammals, living and fossil. Lectures and laboratory course. 6 hours (one day). Dr. GREGORY. The latter part of this course is given in the American Museum of Natural History.

207—Zoölogical research. Individual study of special biological problems.

208–209—Comparative embryology. One day. Professors DEAN and CALKINS

212—The experimental study of evolution, with special reference to statistical work. One day. Professor CRAMPTON

213—Experimental study of reflex action and tropisms. 1 hour, with demonstrations and opportunities for laboratory work. Professor MORGAN

214—Experimental study of instincts. One hour. Professor MORGAN

215–216—Experimental zoölogy. 1 hour with laboratory work on special problems. Professor MORGAN

217—Experimental study of regeneration. 1 hour. Professor MORGAN

218—Experimental embryology, parallel to 220. 1 hour. Professor MORGAN

220—Cellular embryology. 1 hour. Professor WILSON

221–222—Protozoölogy. *C* 1 hour, *L* 5 hours. Professor CALKINS

223–224—Evolution of the vertebrates. One day. Dr. GREGORY

225–226—Cellular biology—General structure and functions of the cell. *C* 1 hour, *L* 5 hours. Professor WILSON

228—Fishes, living and fossil. *C* 1 hour, *L* 2 hours. Professor DEAN

JOURNAL CLUB—Reports and discussions of recent literature by members of the staff, graduate students, and others. 1 hour a week throughout the year. Under direction of the staff.

SEMINAR—Critical discussion of selected topics by members of the staff and graduate students. Subject and time are specially arranged.

UNIVERSITY BIOLOGICAL LECTURES—A course of lectures on general topics, given from time to time by members of the staff and eminent specialists from other institutions. These lectures form the basis of the Columbia Biological Series, edited by Professors OSBORN and WILSON

Summer Session

S1—Elementary biology and zoölogy. 4 points. Professor MCGREGOR, Messrs. PACKARD and DEAN

S3–4—Vertebrate embryology and histology. 4 points. Professor MCGREGOR, Messrs. PACKARD and DEAN

Laboratories, Libraries, and Equipment

The zoölogical laboratories on the upper floor of Schermerhorn comprise a large general undergraduate laboratory, three graduate laboratories, and eight rooms for private research, besides special rooms for supplies, aquaria, and preparation. There are also a commodious lecture-room and library. The laboratories are well equipped with optical instruments, microtomes, and other apparatus for advanced work. The teaching collections include a series of the Mediterranean and American marine types, and the injected vertebrate series of Fric and Muller, a set of standard and specially prepared charts and wax models, and a variety of living animals and plants contained in fresh-water and marine aquaria.

The departmental library, a part of the University Library kept in the laboratory, the gift of Charles H. Senff, Esq., is a memorial to the late Dr. John I. Northrop. It embraces sets of the standard biological works and includes the journals and a rapidly increasing collection of special monographs. A fund is available for the purchase

of literature needed in connection with the special researches of students.

Important adjuncts to zoölogical work are offered by the American Museum of Natural History, the Bronx Zoölogical Garden, the New York Aquarium, and by the marine biological laboratories to which the University contributes support. Several investigators' tables are held at the Wood's Hole laboratory, one at the South Harpswell laboratory, and the John D. Jones scholarship is available at the Cold Spring Harbor laboratory. A table at the Naples Zoölogical Station is also supported by the University.

ENTRANCE REQUIREMENTS

Committee on Undergraduate Admissions

Professors JONES, *Chairman*, BREWSTER, COLE, MCCREA, MCGREGOR (J. H.), MAYER, MORGAN (J. L. R.), ODELL, RAUTENSTRAUCH, RUSBY, SACHS, SHERMAN, VAN HOOK

GENERAL STATEMENT

There are no examinations for admission to the Schools of Law, Medicine, Political Science, Philosophy, Pure Science, and Fine Arts (courses leading to degrees), or to Teachers College. For the requirements for admission to these departments, see the separate announcements of the Schools and Faculties concerned.

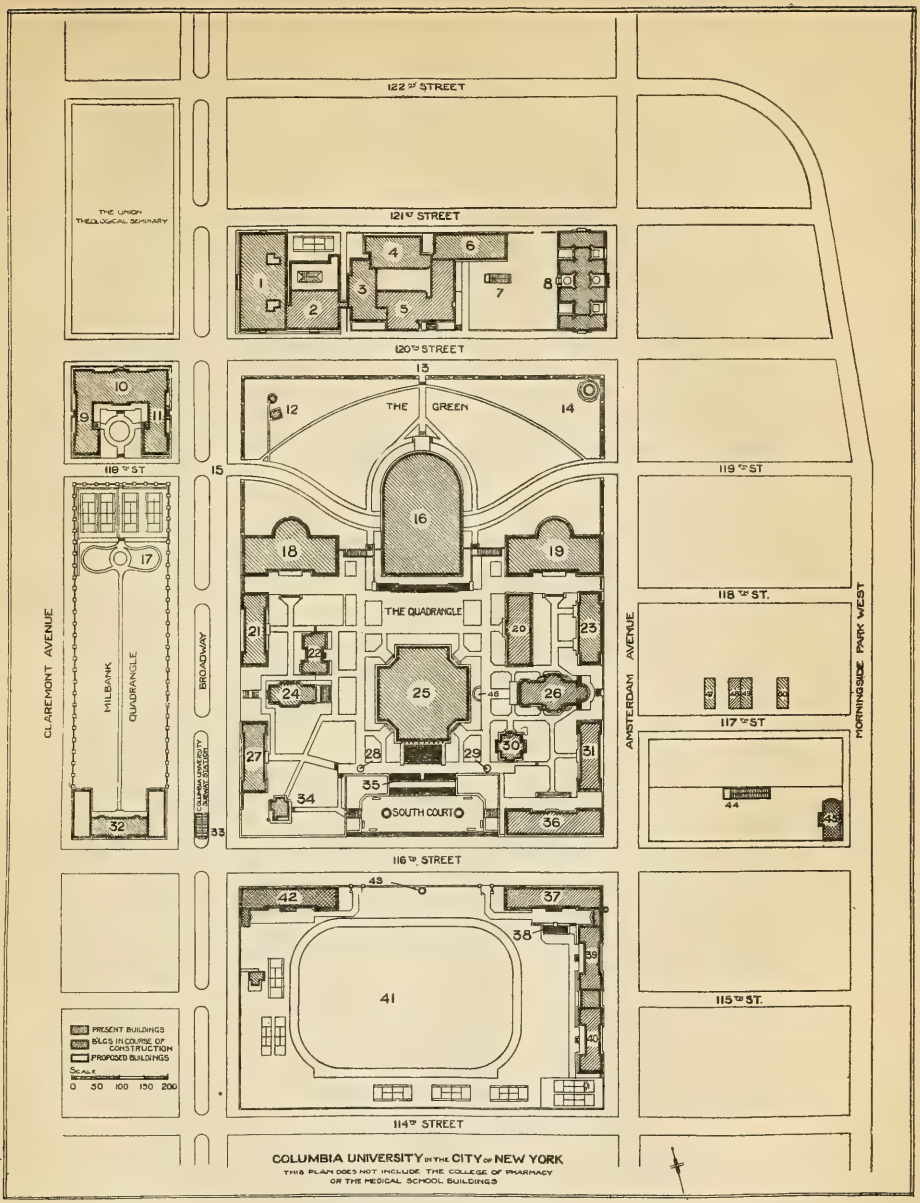
EXAMINATIONS

Except for reasons of weight, candidates for admission to the Freshman class in Columbia College or Barnard College must be at least fifteen years of age at the time of matriculation and correspondingly older for admission to advanced standing; and for admission to the Schools of Mines, Engineering, Chemistry, Architecture, Music, and Design, at least eighteen years of age.

The examination requirements for admission may be satisfied by any one of the three following means, or by any approved combination thereof:

1. By the examinations of the College Entrance Examination Board.—These examinations are held annually in June, in 1912 beginning on June 17, at Columbia University and at about one hundred and fifty other educational centres in the United States and Europe. A complete list of the places and times of such examinations, together with the regulations governing them, is published about March 1 annually and may be obtained from the Secretary of the College Entrance Examination Board, Post Office Sub-Station 84, New York City.

2. By the examinations conducted by the Columbia University Committee on Undergraduate Admissions.—These examinations are held in September and January of each year (beginning on September 16, 1912, and January 14, 1913), and only at the University.



1. Horace Mann Schools
2. Thompson Memorial Building
3. Milbank Memorial Chapel
4. Macy
5. Main Building (Teachers)
6. Domestic Science
7. Peabody Greenhouse
8. Women's Dormitory
9. Fiske
10. Milbank
11. Brinkerhoff
12. Wilde Observatory
13. Class of 1882 Gates
14. Statue, Great God Pan
15. Mapes Gates
16. University
17. Milbank Quadrangle
18. Havemeyer
19. Schermerhorn
20. Avery
21. Engineering
22. West
23. Fayerweather
24. Earl
25. Library
26. St. Paul's Chapel
27. Mines
28. Lafayette Post Flag Staff
29. Class of 1881 Flag Staff
30. East
31. Philosophy
32. Brooks
33. Subway Station
34. Faculty Club
35. Statue, Alma Mater
36. Kent
37. Hamilton
38. Statue, Alexander Hamilton
39. Hartley
40. Livingston
41. South Field
42. Journalism
43. Class of 1885 Sun Dial
44. Botany Greenhouse
45. President's House
46. Class of 1886 Exedra
47. Deutches Haus
48. Residence of Dean
49. " " Chaplain
50. Carnegie Endowment

3. By the examinations of the State Examination Board of the New York State Education Department.—These examinations are held in January and June at more than six hundred high schools and other institutions throughout the State of New York, but, save in exceptional circumstances, are open only to students in those schools. Full information regarding the regulations governing them may be obtained by application to the New York State Education Department, Albany, New York.

A copy of the time-scheme of the examinations held by the College Entrance Examination Board in June, and by Columbia University in September and January, together with information as to the proper method of filing application-blanks for these examinations, the payment of fees, the division of examinations, and also detailed definitions of the requirements in each admission subject, is given in the *Bulletin of Entrance Examinations and Admission* which may be had upon application to the Secretary of the University.

All persons taking the January examinations will receive due credit for the results of the examinations. Students may be admitted, at the beginning of the second half-year, to Columbia College and Barnard College.

APPLICATION FOR EXAMINATION

Every candidate for examination is required to file an application.

For the examinations in June, 1912, the application must be filed with the Secretary of the College Entrance Examination Board. Applications for examination in the United States east of the Mississippi River must be filed on or before June 3. Applications for examination elsewhere in the United States or in Canada must be filed on or before May 27. Applications for examination outside of the United States and Canada must be filed on or before May 13.

For the examinations in January and September, 1912, applications should reach the Registrar of Columbia University on or before January 8, and September 9.

EXAMINATION FEE

Each application for examination in June must be accompanied by a fee of $5 for all candidates examined at points in the United States and Canada, and $15 for all candidates examined at points outside of the United States and Canada.

Each application for examination in January or September must be accompanied either by a fee of $5, by a receipt from the Bursar for an examination fee previously paid, or by the receipt issued by the Secretary of the College Entrance Examination Board for the June examinations immediately preceding. *The latter will be accepted in either September or January, but not in both; and a single fee paid to the*

University will cover only two consecutive series of examinations, namely, January and September or September and January.

If a late application is accepted either by the College Entrance Examination Board, or by the University, a second fee of $5 must be paid.

The examination fee receipt should be carefully preserved. It must be presented by the candidate to the Supervisor in charge of the examinations which he attends as evidence that he is entitled to be admitted to the same. No candidate will be admitted to the January or September examinations upon the receipt of the Board, unless that receipt bears the certification of the Registrar of Columbia University that the candidate's application has been filed.

RESTRICTIONS GOVERNING CREDITS FOR EXAMINATIONS

A candidate may present himself at any of the series of examinations scheduled above, and the results may be credited towards the fulfilment of the requirements for admission, subject to the following restrictions:

1. A candidate in making application for examination must submit a statement from the principal of his school, or from his last instructor, indicating the extent and character of his preparation in each subject in which he applies for examination, and credit may be withheld when this requirement is not met.

2. The results of an examination may stand to the candidate's credit for twenty-nine months, but no longer.

3. A candidate may not present himself for examination more than four times, except by special consent of the Committee on Admissions.

4. The results of the examinations conducted by the New York State Examination Board can be credited only in so far as the subject matter of these examinations specifically covers the subjects, or lettered or numbered parts of subjects, which are accepted for admission to Columbia University. Candidates who have been granted the College Entrance Diploma issued by the New York State Education Department may be admitted to the undergraduate departments free of conditions if the directions given in the Columbia University *Bulletin of Entrance Examinations and Admission* have been observed. The diploma should be forwarded to the Secretary of the University together with the application for admission. The proper credentials for individual subjects will be accepted in so far as they correspond to the entrance requirements.

5. In order to be credited towards entrance, the reports of a candidate's examinations, together with the statement of the extent and character of his preparation in each subject offered, must be in the hands of the Committee on Admissions one week prior to the opening of the term in September or January.

6. The reports of all examinations must be rendered to the Committee on Admissions in percentages. The Committee interprets these percentages as Passed (P), Conditioned (Q), or Failed (F). Credit towards admission is given only for such examinations as receive a grade of P.

NOTE. The September examinations are intended for candidates who plan to enter college immediately. Preliminary examinations should not be taken at this time.

EXAMINATION SUBJECTS

Columbia University recognizes the following examination subjects which may be offered for admission to one or more of the colleges and schools included in the University, each subject counting for a specific number of units as indicated in parentheses. The unit here represents the number of years at the rate of five periods a week, which will normally be required in the secondary school to prepare adequately for the college examination.

Columbia College: A.B. 14½ units. *Prescribed*, 9½ units—English (3); elementary mathematics (2½); elementary Latin (4). *Elective*, 5 units—of which not more than 4 from elementary French (2), elementary German (2), Italian (2), Spanish (2); not more than 3 units from botany (1), chemistry (1), physics (1), physiography (1), shopwork (1), zoölogy (1); any of the following, except that to offer an advanced subject involves offering at the same time or earlier the corresponding elementary subject: elementary Greek (3), elementary history (2) or (1), drawing (1), music (1), intermediate French (1), intermediate German (1), advanced English (1), advanced Greek (1), advanced history (1), advanced Latin (1), advanced mathematics (½–1½).

B.S. 14½ units. The same as for the A.B. excepting that chemistry (1), physics (1), and intermediate or advanced subjects (2) may be offered in place of elementary Latin (4); in which case elementary Latin (2 or 4) becomes elective.

Barnard College: A.B. 14½ units. Same as Columbia College with the exception of shopwork, which is not an entrance subject for Barnard College.

B.S. 14½ units. *Prescribed*, 12½ units,—English (3); elementary mathematics (2½); 2 units from botany (1), chemistry (1), physics (1), physiography (1), zoölogy (1), and intermediate or advanced subjects (2) may be offered in place of elementary Latin (4); in which case elementary Latin (2 or 4) becomes elective. *Elective*, 2 units—as given under *Elective* Columbia College.

General two years' course 14½ units. *Prescribed*, 5½ units—English (3); mathematics (2½). *Elective*, 9 units—Ancient or modern foreign languages (4); history, foreign languages, mathematics or science (5).

Schools of Mines, Engineering, and Chemistry: To uniform first year. 14½ units. *Prescribed*, 11½ units—Chemistry (1), drawing (1), elementary French or elementary German (2), English (3), mathematics (3½), physics (1). *Elective*, 3 units—Elementary German or elementary French (2), American history (1), ancient history (1), English history (1), mediæval and modern history (1), elementary Latin (2), botany (1), physiography (1), shopwork (1), Spanish (2), zoölogy (2), intermediate French or intermediate German (1).

School of Architecture: For certificate 12½ units. *Prescribed*, 6½ units —English (3), mathematics (3½), drawing (1). *Elective*, 5 units—Elementary French (2), elementary German (2), elementary history (2) or (1), elementary Latin (2), physics (2), chemistry (1), Spanish (2), advanced mathematics (1).

School of Music: For the certificate in Music 9½ units. *Prescribed*, 3 units—English (3). *Elective*, 6½ units—Elementary French (2) or (1), elementary Latin (2), elementary mathematics (2½), physics (1), Italian (2), harmony (1), musical appreciation (1), musical performance (2), advanced history (1), advanced mathematics (1).

School of Design: For the certificate in Design 9½ units. *Prescribed*, 6 units—Drawing (1); English (3); either elementary French, elementary German, or elementary Italian (2). *Elective*, 3½ units—Either elementary Greek (3) or elementary Latin (2), elementary history (2) or (1), elementary mathematics (2½), elementary physics (1), chemistry (1), advanced mathematics (1).

College of Pharmacy: Phar. C. 11½ units. To offer an advanced subject involves offering either at the same time or earlier the corresponding elementary subject. English (3), elementary French (2), elementary German (2), elementary Greek (3), elementary history (2) or (1), elementary Latin (4) or (2), elementary mathematics (2½), physics (1), intermediate French (1), intermediate German (1), advanced Greek (1), advanced history (1), advanced Latin (1), advanced mathematics (1), botany (1), chemistry (1), drawing (1), physiography (1), Spanish (2), zoölogy (1).

SCHEDULE OF EXAMINATIONS

The examinations at Columbia University will be held as follows:

For men, in Earl Hall in January, and in the Gymnasium in June and September.

For women, in Barnard College in January, June, and September.

Candidates taking these examinations must report to the Supervisor, in the examination room, fifteen minutes in advance of the first examination which they are to attend.

Schedule

January 15–22, 1912, and June 17–24, 1912

Monday, January 15 and June 17

Mathematics *a* (Elementary Algebra, complete)	9.30–12.30
Mathematics *a*, i (Algebra to Quadratics)	9.30–11.30
Mathematics *a*, ii (Quadratics and beyond)	9.30–11.30
History *b* (Mediæval and Modern History)	1.30–3.30
History *d* (American History)	1.30–3.30
Physics	3.45–5.45
Botany	3.45–5.45
Zoölogy	3.45–5.45

Tuesday, January 16 and June 18

Mathematics *c* (Plane Geometry)	9–11
Mathematics *d* (Solid Geometry)	9–11
Mathematics *cd* (Plane and Solid Geometry)	9–12
History *a* (Ancient History)	1.30–3.30
History *c* (English History)	1.30–3.30
German *a* (Elementary)	3.45–5.45

Wednesday, January 17 and June 19

N R 1, *N R 2* (Grammar, and Elementary Prose Composition)	9–12.30
Latin *N R 3* (Second Year Latin)	9–11
†Latin *b* (Cæsar)	9–11
†Latin *m* (Elementary Sight Translation of Prose)	11.15–12.30
French *a* (Elementary)	1.30–3.30
German *b* (Intermediate)	3.45–5.45
Spanish	3.45–5.45
*Italian	3.45–5.45

Thursday, January 18 and June 20

Latin *N R 4* (Cicero—*Manilian Law* and *Archias*, and Sight Translation of Prose)	9–11
†Latin *c* (Cicero)	9–11
†Latin *a* (Grammar and Elementary Prose Composition).	11.15–12.30
*Shopwork (Written)	1.30–3
Latin *N R 5* (Vergil—*Æneid* I, II, and IV or VI, and Sight Translation of Poetry)	1.30–3.30
†Latin *d* (Vergil)	1.30–3.30
French *b* (Intermediate)	3.45–5.45

* Not offered in June.

†The old requirements in Latin may not be offered for admission after February, 1911.

Friday, January 19 and June 21

English *a* (Reading and Practice)	9–11
Latin *N R 6* (Advanced Prose Composition)	11.15–12.30
†Latin *l* (Prose Composition)	11.15–12.30
English *b* (Study and Practice)	1.30–3.30
Chemistry	3.45–5.45
Physiography	3.45–5.45
Greek *c* (Homer's Iliad, Books I–III)	3.45–5.45
Music *b* (Harmony)	3.45–5.45

Saturday, January 20 and June 22

Greek *b* (Xenophon's Anabasis)	9–11
Drawing	9–11
Mathematics *b* (Advanced Algebra)	9–11
Greek *a* (Grammar and Elementary Prose Composition)	11–12.30
Mathematics *f* (Plane Trigonometry)	1.30–3.30
Greek *g* (Sight Translation of Prose)	1.30–3.30
Greek *f* (Prose Composition)	3.45–5.15
Music *a* (Appreciation)	3.45–5.45

Monday, January 22

*Advanced English	9–12
*Advanced Greek	9–12
*Shopwork (Laboratory)	10–12
*Advanced Latin	1–4
*Advanced History	1–4

SUBMISSION OF NOTE-BOOKS, DRAWINGS, ETC.

All work submitted must be duly certified to in ink by the teacher in the following form:

"I certify that this is a true and original record of work actually performed by .....while in attendance at ..... during the year 19.....

Instructor in.....

Drawings should bear a similar certification, or in case of work not done under instruction should be accompanied by the candidate's own signed declaration.

All note-books unless otherwise specified should be submitted at the time for examination. Candidates desiring their return should apply to the Chairman of the Committee on Admissions.

*Not offered in June.

† The old requirements in Latin may not be offered for admission after February, 1911.

English exercise books, submitted in lieu of examination, Advanced English essays, or Advanced History note-books, should be sent to the Secretary of the University at least two weeks before the examinations begin. Within ten days the candidate will be informed whether or not the work submitted has been accepted. English exercise books will *not* be returned to the writers. All note-books uncalled for one year from the date of submission will be destroyed.

Admission to Advanced and Special Standing

(See Faculty Statements, page 194 *et seq.*)

DEFINITIONS OF REQUIREMENTS

(Specimens of the question papers set by Columbia University are on file in the University Library or may be obtained from the Chairman of the Committee on Undergraduate Admissions upon application. The question papers set by the College Entrance Examination Board are published annually in book form by Ginn & Company, New York.)

The following abridged statements are intended merely to indicate the general scope of the requirements. The official definition of each requirement is printed in full in the *Bulletin of Entrance Examinations and Admission*, and any person who intends to take the examinations himself or to prepare others for them should procure this Bulletin.

Botany[1] (One unit). (1) Structure and life history of 16 or more types of representative families of plants, 10 of them seed plants. (2) Elementary plant physiology. (3) Elementary natural history (ecology of plants). Requiring one year of laboratory and class-room instruction, for the course.

Chemistry[1] (One unit). Preparation and properties of the common elements and their important compounds.

Mastery of the more usual chemical terms and ability to make simple calculations and explanations of chemical processes. Preparation should include lectures and demonstrations, study of standard elementary text-books, and forty or more laboratory exercises.

Drawing[1] (One unit). The ability to sketch free-hand with reasonable accuracy—(a) From dictation: Simple geometrical figures; (b) From the object: A vase, household utensil, or other familiar object; (c) From the copy: Enlarging or reducing simple pieces of machinery or architectural or decorative detail. (At least 20 freehand drawings must be submitted.)

[1] A certified and indexed note-book must be submitted (see p. 182).

English (Three units). (a) Reading and Practice (this part of the test may be fulfilled in whole or in part by an exercise book). (See page 182.) A test of training in English composition. A list of the books prescribed for reading appears in the *Bulletin*. (b) Study and Practice. The subject-matter, form, and structure of certain specified works, and incidentally English grammar and English literary history. Prescribed for 1912: Macbeth; L'Allegro and Il Penseroso; or Tennyson's Goreth and Lynette; Launcelot and Elaine; and the Passing of Arthur; Burke on Conciliation, or Washington's Farewell Address and Webster's First Bunker Hill Oration; Macaulay's Life of Johnson, or Carlyle's Essay on Burns. (For succeeding years see Bulletin.)

English, Advanced (One unit). Candidates must have covered substantially the same ground as that included under English A1–A2 (see page 104). (1) English composition, presupposing the elements of rhetoric. (2) General history of English literature, and selected works (a list of which may be obtained from the Secretary of the University). Ten essays of at least 500 words each must also be submitted. (See p. 182.)

French, Elementary (Two units). Accurate pronunciation and the ability to read at sight easy prose and to put into French simple English sentences. The rudiments of the grammar, involving all but the rare irregular verb forms and the simpler uses of conditional and subjunctive. The preparation should include, beside the mastery of a good elementary text-book, the reading of 300–600 pp. of easy French.[1]

French, Intermediate (One unit). Additional reading, 400–600 pp. including dramatic works. Grammar completed. Further drill in composition.

German, Elementary (Two units). Accurate pronunciation and the ability to read easy dialogue and narrative prose, and a working knowledge of grammar and composition adequate for the putting into German of simple English sentences based upon a familiar vocabulary. The preparation should include, beside the mastery of a good elementary text-book, the reading of 150–200 pp. of easy German.[1]

German, Intermediate (One unit). Additional reading, 400 pp. of moderately difficult prose and poetry. Further drill in grammar and composition, with special reference to syntax.

[1] A list of the reading recommended will be found in the Bulletin.

Greek, Elementary (Three units). (a) 1 and 2. — Attic grammar and elementary composition, based on Anabasis I–II. (b) Anabasis I–IV. (c) Iliad I–III (except II, 494–end) with tests concerning constructions, poetic forms, and prosody. (f) Translation into Greek of simple continuous English prose. (g) Translation into English at sight of continuous Greek prose.

Greek, Advanced (One unit). Candidates must have covered substantially the same ground as that included under Greek 3–4 (see p. 83): at least 1200 additional lines in Homer, Herodotus, Bk. vi., and Plato's Apology.[2] Also at least fifteen exercises in Spieker's Greek Prose Composition.

History, Elementary (Each of the four divisions a, b, c, and d counts one unit. Candidates for admission to the Schools of Mines, Engineering, and Chemistry may offer one or more of the divisions without restriction. All other candidates may offer any one or any two of the divisions without restriction). (a) Ancient, beginning with brief study of Oriental peoples and coming down to the death of Charlemagne, with reference to art, literature, and government. (b) From 800 on including growth of the State system. (c) English history, including social and political developments. (d) American history with the elements of civil government.

Each field may best be covered by an accurate text-book of 300 pp. plus, say, 300 pp. of selected supplementary reading.

History, Advanced[2] (One unit). (Candidates must have offered for elementary history either a and b or c and d, and must present themselves for examination upon the two divisions *which they did not offer as an elementary subject.*) The work performed must have been of the same kind, amount, and quality as that required for History A1–A2 (see page 118). Supplementary reading emphasizing the significance of historical phenomena. The candidate must present at least 5000 words of notes on each historical field offered, and show practice in making historical parallels in preparing digests of outside reading, and in the use of historical maps.

Italian, Elementary (Two units). The requirement corresponds to that in Elementary French (see p. 165).

Latin Elementary (Four units) *i.e.*, NR 4, NR 5, and NR 6; or two units, *i.e.*, NR 1, NR 2, and NR 4 or NR 5, or, except for Columbia College,

[1] For information concerning possible substitutions, see *Bulletin*.

[2] A certified note-book must be submitted (see p. 182).

Barnard College, and the Schools of Music and Design (courses leading to a certificate in Music or Design) NR 3, NR 1, Grammar; NR 2, Elementary prose composition; NR 3, Second year Latin (Cæsar and Nepos); NR 4, Cicero and sight translation of prose; NR 5, Vergil and sight translation of poetry; NR 6, Advanced prose composition.[1]

Latin, Advanced (One unit). Candidates must have covered substantially the same ground as that included under Latin A1–A2 (see page 83). Horace, Odes, Bks. I and III, with incidental prosody, and Livy, Bk. XXI and Chapters 41–53, Bk. XXII[2] (or, for Barnard College, Vergil, Eclogues, and Ovid, selections). Fifteen exercises from Part I and ten from Part II of Gildersleeve and Lodge's Prose Composition.

Mathematics, Elementary (Two and one-half units). (a) Elementary algebra, including—i, the four fundamental operations for rational expressions, and such topics as lowest common multiple, ratio and proportion, linear equations, radicals, fractional and negative exponents; ii, quadratic equations, arithmetic and geometric progressions, the binomial theorem for positive integral exponents, the use of graphical methods. (c) Plane geometry—original exercises, loci, mensuration of lines and plane surfaces.

Mathematics, Advanced (One-half to one and one-half units). (b) Advanced Algebra (One half-unit): Permutations and combinations, complex numbers, determinants, numerical equations of higher degree, theory of equations, graphical methods, Descartes's rule of signs, and Horner's method. (d) Solid geometry (One half-unit): Original exercises, loci problems, mensuration of surfaces and solids. (e) Trigonometry (One half-unit): The principal formulas, simple equations and triangles, theory and use of logarithms (without infinite series).

Candidates for admission to the Schools of Mines, Engineering, and Chemistry and for the School of Architecture must offer solid geometry and plane trigonometry.

Music. NOTE—A candidate for admission to Columbia College may offer either a or b. A candidate for admission to the School of Music (courses leading to a certificate in Music) may offer either a or b or both—with or without the addition of Musical Performance.

[1] For old requirement alternative to the new in February, 1912, and discontinued after that date, see *Bulletin of Entrance Examinations and Admission.*

[2] For information as to possible substitutions, see *Bulletin.*

(a) Musical Appreciation (not involving ability to perform nor to read from printed music) (One unit). (1) The principal musical forms and their historical development; (2) the lives and environment of Bach, Mozart, Beethoven, Schubert, and Chopin, and five other composers; (3) familiarity with certain compositions designated in Bulletin.

(b) Harmony (One unit). The elements of simple harmonization.

(c) Musical Performance (Two units). The candidate should communicate with the School of Music regarding this requirement.

Physics[1] (One unit). The most important facts and laws in elementary physics. Preparation should include the mastery of a standard text-book supplemented by numerical problems, instruction by lecture with demonstrations and individual laboratory exercises—say, mechanics, 13; sound, 3; heat, 5; light, 6; electricity, 8.

Physiography[2] (One unit). Preparation includes modern text-books and at least forty individual laboratory and field exercises—say, earth as a globe, 5; ocean, 5; atmosphere, 12; land, 18.

Shopwork (One unit). Involving in each subject 180 laboratory hours, examination, both written and practical, on the use and structure of tools, nature of shop processes, methods of construction, and properties of materials. Authenticated models may be presented as evidence of technical skill.

The candidate may offer either (a) Woodwork—*i*, joinery; ii, turning and patternmaking, or (b) Forging, or (c) Machinework.

Spanish, Elementary (Two units). The requirements correspond to those in elementary French, see page 165.

Zoölogy (One unit). Laboratory and field study, supplemented by text-book and further reading. (1) General natural history of common American animal types. (2) Classification of animals into phyla and leading classes. (3) Structure of typical animals—say, frog or fish, decapod, earthworm, hydra, protozoön. (4) Physiology of the types studied and comparison of life-processes of animals and plants. (5 and 6) (in a very elementary way) Reproduction, embryology, and (optional) elements of cytology. (7) (optional) biological history.

[1] A certified note-book must be submitted (see p. 182).

[2] This is identical with the subject called Geography by the College Entrance Examination Board.

REGULATIONS FOR THE DEGREES OF

MASTER OF ARTS AND DOCTOR OF PHILOSOPHY

NOTE.—Attention is particularly called to the new regulations for the Masters' degree as given in the *Announcement of the Faculties of Political Science Philosophy, and Pure Science.*

1. Candidates for the degrees of Master of Arts and Doctor of Philosophy known as the Higher Degrees must hold a baccalaureate degree in arts, letters, philosophy, or science, or an engineering degree, or have an education equivalent to that represented by one of these degrees, such equivalence to be passed upon in every case by the Executive Committee of the University Council.

Each candidate for a higher degree must present to the Dean satisfactory evidence that he is qualified for the studies he desires to undertake.

2. Candidates for the degrees of Master of Arts and Doctor of Philosophy must pursue their studies in residence for a minimum period of one and two years, respectively.[1] The year spent in study for the former is credited on account of the requirement for the latter. Residence at other universities may be credited to a candidate. In certain cases and by special arrangement, time exclusively devoted to investigation in the field will be credited in partial fulfilment of the requirement of residence. No degree will be conferred upon any student who has not been in residence at Columbia University as a graduate student for at least one year. The satisfactory completion of work at four consecutive Summer Sessions or two consecutive Summer Sessions together with the half-year preceding, intervening, or immediately following, will be accepted as fulfilling the minimum requirement of one year's university residence for the degree of Master of Arts.

3. Each student who declares himself a candidate for a higher degree shall designate one principal or major subject and two subordinate or minor subjects.

Candidates are expected to devote about one-half of their time throughout their course of study to the major subject, and about one-quarter to each minor subject.

Except by vote of the Executive Committee of the University Council upon the recommendation of the Dean and the head of the

[1] In practice three years of university residence subsequent to the attainment of the Bachelor's degree, or its equivalent, are usually necessary to obtain the degree of Doctor of Philosophy.

department concerned, no candidate may choose his major and both minor subjects under one department.

Major and minor subjects may not be changed except by permission of the Dean, on the approval of the heads of the departments concerned.

Both the professor in charge of the major subject and the Dean must pass upon the student's qualifications for the course of study he desires to pursue, and approve his choice of subjects before registration can be effected.

4. The subjects from which the candidate's selection must be made are:

UNDER THE FACULTY OF POLITICAL SCIENCE

Group I.—History and political philosophy: (1) Ancient and oriental history; (2) mediæval history and church history; (3) modern European history from the opening of the 16th century; (4) American history; (5) political philosophy.

Group II.—Public law and comparative jurisprudence: (1) Constitutional law; (2) international law; (3) administrative law; (4) Roman law and comparative jurisprudence.

Group III.—Economics and social science: (1) Political economy and finance; (2) sociology and statistics; (3) social economy.

In his choice of subjects under this Faculty, the candidate whose major subject lies within its jurisdiction is limited by the following rules:

A candidate for the degree of Master of Arts or Doctor of Philosophy must select one minor subject outside of the group which includes his major subject.

A candidate for the degree of Doctor of Philosophy must select one minor subject within the group which includes his major subject.

The candidate for the degree of Master of Arts must take, in each subject, courses occupying at least two hours weekly throughout one year. In his major subject he must also attend a Seminar.

The candidate for the degree of Doctor of Philosophy must take, in his major subject, courses occupying at least four hours weekly during each required year of residence (provided that this number of hours be offered in the subject), and must also attend a Seminar during the period of residence. In each minor subject he must take courses occupying at least two hours weekly during each required year of residence.

UNDER THE FACULTY OF PHILOSOPHY

I. Major Subjects: (1) Philosophy; (2) psychology; (3) anthropology; (4) education; (5) linguistics; (6) comparative literature; (7) classical

archæology and epigraphy; (8) Greek language and literature, and, incidentally, Grecian history; (9) Latin language and literature, and, incidentally, Roman history; and the following, including in each case the study of both the language and the literature: (10) English; (11) Germanic; (12) Romance; (13) Sanskrit (with Pāli) and Iranian; (14) Semitic languages; (15) Chinese. Nos. 1, 2, 3, 4, 6, 10, 11, 12, 13, 14, and 15 may each be offered as the equivalent of a major and one minor subject.

II. Minor Subjects: (1) Philosophy; (2) psychology; (3) anthropology; (4) education; (5) linguistics; (6) comparative literature; (7) Greek; (8) Greek archæology; (9) Latin; (10) Roman archæology; (11) Sanskrit; (12) Iranian; (13) English; (14) Anglo-Saxon; (15) Gothic; (16) Germanic philology; (17) German language and literature; (18) Scandinavian languages and literatures; (19) Romance philology; (20) French language and literature; (21) Spanish language and literature; (22) Italian language and literature; (23) Hebrew; (24) Arabic; (25) Assyrian; (26) Syriac; (27) Ethiopic; (28) Semitic epigraphy; (29) Turkish; (30) Armenian; (31) Chinese; (32) Coptic; (33) Celtic; (34) comparative religion.

A candidate for the degree of Master of Arts or Doctor of Philosophy may, with the consent of the Dean and of the heads of the departments concerned, select both minor subjects within the same department, and may divide a minor subject, taking parts of two subjects germane to his major subject.

Under the Faculty of Pure Science

(1) Anatomy; (2) astronomy; (3) bacteriology; (4) botany; (5) biological chemistry; (6) chemistry; (7) civil and sanitary engineering; (8) electrical engineering; (9) geodesy; (10) geology; (11) mathematics; (12) mechanical engineering; (13) mechanics and electro-mechanics; (14) metallurgy; (15) mineralogy; (16) mining; (17) paleontology; (18) pathology; (19) physics; (20) physiology; (21) zoölogy.

With the consent of the Dean, the major and one minor subject may be taken under one department. Both minor subjects may not be taken under one department without the consent of the Faculty.

5. Each student is given a registration-book in which to keep the record of courses attended. At the beginning and end of each course the professor in charge certifies the student's attendance by his signature. Before presenting himself for examination for any degree, the student shall submit his registration-book to the Dean in order that the Dean may satisfy himself that the required minimum number of courses has been attended.

6. Each candidate for the degree of Master of Arts is required to present an essay on some topic previously approved by the

professor in charge of his major subject. The Faculty of Political Science requires this essay to be a paper read during the year before the Seminar of which the candidate is a member.

When the essay has been approved, the candidate is required to file with the Registrar two legibly written or typewritten copies on firm, strong paper, eleven by eight-and-a-half inches in size with an inner margin of one-and-a-half inches. The title-page shall contain the words: "Submitted in partial fulfilment of the requirements for the Degree of Master of Arts, in the Faculty of ————, Columbia University."

7. Diplomas are issued on Commencement day, on the third Tuesday in October, and on the third Tuesday in February. Corresponding to these dates, respectively, applications for examination for the degree of Master of Arts must be filed with the Registrar by April 15, July 15, and December 15. The application should be accompanied by the completed essay required for the degree. Extension of time for the completion of the essay may be granted only by the Dean of the Graduate Faculties, or (in July) by the Director of the Summer Session. A candidate must have such general knowledge of his principal subject, apart from the satisfactory completion of particular numbered courses, as may be deemed necessary by the department concerned.

Applications for the oral examination for the degree of Doctor of Philosophy must be filed with the Registrar at least two months before one of the three dates at which diplomas are issued (viz., October, February, and June) in order to secure examination before that date.

8. Each candidate for the degree of Doctor of Philosophy shall present a dissertation embodying the results of original investigation and research on some topic previously approved by the professor in charge of the major subject. When such dissertation has been approved, it shall be printed by the candidate, and thirty copies shall be delivered to the Registrar. On the title-page of every such dissertation shall be printed the words: "Submitted in partial fulfilment of the requirements for the Degree of Doctor of Philosophy, in the Faculty of ————, Columbia University."

Each dissertation shall contain upon its title-page the full name of the author; the full title of the dissertation; the year and place of imprint, and, if a reprint, the title, volume, and pagination of the publication from which it was reprinted; and there shall be printed and appended to each dissertation, in the form of a Vita, a statement of the place and date of birth of the author, of the educational institutions that he has attended, and a list of the degrees and honors conferred upon him, as well as the titles of his previous publications.

9. No candidate for the degree of Doctor of Philosophy is admitted to examination except on the recommendation of the professor who has approved the topic selected for the dissertation, indorsed by the

professors in charge of the major and minor subjects. Every candidate must pass, besides such other examinations as the Faculty in charge of the major subject may require, an oral examination on all three subjects, and must defend the dissertation in the presence of that Faculty, or of so many of its members as may desire or as may be designated to attend.

In the Faculty of Political Science, the examination on the major and minor subjects and on languages, but not on the dissertation itself, may be held before the printed dissertation is submitted.

In the Faculties of Philosophy and Pure Science, the dissertation is not required to be printed until after the examination of the candidate.

The general examination for the degree of Doctor of Philosophy will not be confined to the courses which the candidate has attended in Columbia University or elsewhere, or even to the field covered by such courses. The candidate is expected to show a satisfactory grasp of his major subject as a whole and a general acquaintance with the broader field of knowledge of which this subject forms a part.

The ability to read at sight French and German, to be certified in each case by the Dean, is required by all the Faculties.

In the Faculty of Political Science, the candidate must also show that he is able to read ordinary Latin, unless it shall have been previously certified by the professor, or professors, in charge of the major subject that ability to use this language is not necessary for the proper prosecution of the candidate's researches. On application to the Dean, the candidate may be examined on the required languages one year before presenting himself for the general examination on his major and minor subjects. If no such application be made, he will be examined on the languages in connection with the general examination on these subjects.

In the Faculty of Philosophy, admission as a regular student or as a candidate for the degree of Master of Arts does not admit to candidacy for the degree of Doctor of Philosophy. Only those students are admitted to candidacy for the degree of Doctor of Philosophy who (1) are recommended for such candidacy by the heads of the departments in which their major and minor subjects of study lie; (2) are certified as to their ability to read French and German by the heads of those departments; (3) are certified as to their ability to read Latin by the head of that department, provided that students whose major subject is psychology, anthropology, or education, shall not be required to meet this test when it is certified by the professor in charge of their major subject that an ability to read Latin is not necessary for the proper prosecution of their researches. The examinations in Latin, French, and German shall be passed at least one academic year before the candidate presents himself for the degree.

10. Students holding the required first degree who are primarily registered in a professional school of Columbia University, or in an allied professional school, may be registered as candidates for the higher degrees in the Faculty of Political Science, the Faculty of Philosophy, or the Faculty of Pure Science. In such a case the candidate must take his major subject under one of these Faculties, and must conform to all its rules as regards examinations, essay, and dissertation; but he may offer, as the equivalent of the two minor subjects, such of his professional courses as may be approved for that purpose by the Dean of the Graduate Faculties.

11. No student may continue to be a candidate for the degree of Doctor of Philosophy for a longer period than three years from the time he ceases to be in residence, nor for a longer period than six years from the time of his initial registration for a higher degree.

MASTER OF LAWS

Any student who has satisfactorily completed a three-year course of study in Columbia College, or in any other approved college or scientific school, and who has also satisfactorily completed a three-year course of study in the School of Law of Columbia University, or in any other approved law school, or who has otherwise obtained a substantially equivalent preliminary training, may obtain the degree of Master of Laws, after one year of residence in Columbia University, on the satisfactory completion of a course of study under the Faculties of Law and Political Science. Further information may be obtained from the Dean of either of these Faculties.

COLUMBIA COLLEGE

The Faculty

The President of the University

Dean KEPPEL

Term expires 1912: Professors CALKINS, COHN, CURTIS, EGBERT, FARRAND, FITE, GROVE,[2] HERVEY, JACOBY, KEMP, LOISEAUX, LORD, S. A. MITCHELL, ODELL, PERRY, THOMAS

Term expires 1913: Professors DAVIS, ERSKINE, HAWKES, HAYES, JONES, LOCKWOOD, MACLAY, MASON, F. G. MOORE, SEAGER, SHEPHERD, WOODBRIDGE,[2] WOODWORTH, YOUNG

Term expires 1914: Professors AGGER, BEARD, DUNNING, FISKE, FONTAINE, JORDAN, KEYSER, MCCREA, MCGREGOR, MEYLAN, H. B. MITCHELL, SCHUYLER, SELIGMAN,[1] SHOTWELL, ALEXANDER SMITH, TASSIN

Officers of the Faculty

Mr. KEPPEL.....*Dean and ex-officio Member of the University Council*
Professor S. A. MITCHELL.....*Secretary*
Professor THOMAS.....(Term expires 1913) } *Elected Delegates to*
Professor LORD.....(Term expires 1914) } *University Council*

Standing Committees

ON INSTRUCTION: The Dean, *chairman*, Professors Kemp, Thomas, Young, H. B. Mitchell, Beard, and Erskine

ON SCHOLARSHIPS: The Dean, *chairman*, Professors Hawkes and Lockwood

ADMISSION

To the Freshman Class

(See page 176)

Advanced Standing

A candidate for admission to advanced standing upon the basis of work done at other colleges should obtain and file, at least one week before the September or January entrance examinations, the appropriate application blank, with a transcript of his academic record, and a marked catalogue of the institution that he leaves.

[1] Absent on leave first half-year. [2] Absent on leave second half-year.

Appropriate credits up to a maximum of 18 points of the 124 required may be made by students who offer more than the prescribed number of units at entrance.

Special Courses

Students of serious purpose who are in a position to fulfil the requirements for admission to the Freshman class or who have had a valuable educative experience in practical life, may be admitted as non-matriculated students to pursue courses without reference to any degree. For details see the current *Announcement of Columbia College.*

Probation

Every Freshman admitted conditionally will be held under probation during the first half-year of residence, and the character of his work during that period will determine whether, at its close, he shall be admitted to full standing, have his period of probation extended, or be dropped from the roll.

An entrance condition in any subject may be removed by the mark of C, B, or A, in an appropriately related college course. All entrance conditions must be removed within one year.

Registration and Fees

(See page 142)

Scholarships

(See page 432)

PROGRAM OF STUDIES

The period within which the requirements for the degree of A.B. or B.S. may be satisfied varies with the capability and industry of the individual student. In most cases four years are spent in making the required number of points; students of ability and industry frequently complete the course in less time, especially if advantage be taken of courses in the Summer Session, or additional credit be gained by high standing; no student may spend more than six years as a candidate for a degree.

The following rules must be observed. Exceptions under rules 3–7 may be made by the Dean on recommendation of the Committee on Instruction.

1. The requirement for graduation is 124 points, the term "point" signifying the satisfactory completion of work requiring attendance one hour a week for one half-year, laboratory hours counting one-half.

2. When practicable, prescribed subjects must be taken during the first two years.

3. No combination of courses amounting to less than 12 or more than 19 points may be made in any half-year.

4. Prior to graduation the student must have completed the equivalent of three years of sequential study, in courses aggregating at least 18 points beyond the elementary requirement for admission, in each of two departments.

For A.B. candidates at least one sequence must be in Classical Philology, English, Germanic Languages and Literatures, History, Philosophy, or Romance Languages and Literatures; and for B.S. candidates at least one in Botany, Chemistry, Geology and Mineralogy, Mathematics, Physics, or Zoölogy.

5. Admission to courses depends strictly upon completion of the stated prerequisites. Where none is stated the course may be taken and counted for a degree by any student of the College.

6. A student whose record as to prescribed subjects is satisfactory to the Committee on Instruction, is permitted upon completion of 64 points to elect one, and on completion of 94 points to elect two graduate courses which his previous training will enable him to pursue with profit.

7. No student may take more than four hours' work (not including laboratory work) on the same day, or more than nine hours' work per week in any one department.

8. No one-hour course will be allowed unless taken in connection with or as a supplement to a cognate course.

9. To be recommended for a degree, a student must have made at least 84 points in actual college residence and of these at least 24 in Columbia College. (The Faculty has power to suspend this rule in individual cases; but a Statute of the University forbids the granting of a degree to any person who has not been a member of the University for a full academic year, *i. e.*, two half-years.)

Program of Studies for a Degree of Bachelor of Arts or Bachelor of Science with Honors

1. *Conditions of candidacy.* Any student free from entrance conditions may, with the approval of the Committee on Instruction, elect to study for a degree with honors and pursue a curriculum involving less prescribed work but more independent reading and more thorough study in chosen subjects than are required of the general candidates for a degree. Such students are listed as "Candidates for a degree with honors," so long as they maintain honor standing; other students are listed as "Candidates for a degree."

2. *The choice of honor subjects.* While it may, in appropriate cases, be made at a later date, the choice between the honor curriculum and the general curriculum is ordinarily to be made not later than April 15 of the Freshman year.

The candidate shall then choose one department in which he will offer honor work and shall be assigned to a representative of that department

who shall thereafter act as his Faculty Adviser. In consultation with this Adviser the student shall elect, as he prefers, either one or two other sequential series of honor courses (see Rule 4, page 196), arrange a schedule of studies for the coming year, and submit the same for the approval of the Committee on Instruction not later than May 1.

3. *The honor sequences.* The granting of honors is dependent upon the completion with high standing of two or three approved three-year sequences together with such supplementary reading as may be required in connection therewith, and upon the candidate's performance in a final general examination covering the entire field of his honor work.

4. In the first year no extra work is required of the candidate for honors and no extra credit is given. In the second and the third years, the candidate is assigned supplementary reading, and provision is made for guiding this reading through personal conference or pro-seminars. In each subject an additional credit of two points each term is allowed for this supplementary reading when satisfactorily completed.

The attainment of an honor grade in the final general examination (see paragraph 7) entitles the student to an extra credit of four points for each sequence of courses.

5. *Prescribed courses.* The candidate for a degree with honors is relieved from much of the work prescribed for other students and in the case of students offering three honor sequences the following courses only are definitely prescribed: English A, History A, Mathematics A, Physical Education; and also Latin A or Greek 3–4, for A.B. candidates only; French A and B or German A and B, for B.S. candidates only.

Candidates offering but two honor sequences are expected to complete all the prescribed courses as given on page 198, or their substantial equivalent.

6. *Standing required of honor men.* If at the end of any term examination a student fail in two of his honor subjects to attain a grade of A or B, he is rejected as a candidate for honors and given appropriate credit toward an ordinary degree.

7. *Final examination for honors.* Upon the attainment of 112 points of College credit, including the satisfactory completion of the three honor sequences, the candidate is given a final general examination in each of his three subjects. These examinations cover the class-room work of the three years, and test the extent and thoroughness of the assigned supplementary reading. A grade of A in all subjects entitles the candidate to receive a Bachelor's degree with highest honors. A combination of A's and B's entitles him to a degree "with high honors," and uniform grades of B to a degree "with honors." A candidate failing to win honors at his final general examination may be given appropriate credit towards an ordinary degree.

8. *The time required for the attainment of a degree with honors.* If a candidate chooses three honor sequences in subjects in which he presented the full entrance offering and which he pursued in his Freshman year,

it is possible for him to attain a degree with honors in three years of College residence, without attending the Summer Session, but using the vacation for honor reading. Other candidates will require four years.

By remaining in residence four years the candidate may concentrate the general courses in the Freshman and Sophomore years, and devote his entire time as Junior and Senior to the pursuit of his honor study. This course is recommended wherever practicable.

9. *Honors as a preparation for professional study.* Students looking forward to entering upon the study of a profession will find in the appropriate honor courses the most thorough preparation for their later work; and the opportunity which is offered to obtain a Bachelor's degree with honors in three years preserves to the candidate for honors the advantages of the combined collegiate and professional course.

Program of Studies for the Degree of A.B. or B.S.

Unless the equivalents have been offered for admission, the following courses, counting in points as indicated, are prescribed for students who are candidates for a degree but not for honors:

English A and B (10); History A (6); French or German, A and B (12); Mathematics A (6); Philosophy A (6); Physical Education (2 or 4).

For A.B. candidates. Latin A or Greek 3–4 (6); two half-year courses in Natural Science (6) minimum.

For B.S. candidates. Chemistry A and Physics A (16).

The prescription with regard to two sequential courses of study must also be met, see Rule 4, page 196.

In general it is advisable for a student intending to spend four years in College residence to postpone History A to the second year, and Philosophy A to the second or third year.

Options in the Professional Schools

A student desiring to enter upon professional studies before graduation from the College, who has completed not less than 64 points in Columbia College[1] and with no deficiencies in prescribed work, may exercise one of the following options:

(*a*) Upon receiving 72 points' credit he may take the studies of the first year in any one of the following professional schools of the University, provided he can satisfy the stated requirements for admission thereto, and may receive the degree of A.B. or B.S. upon the satisfactory completion of two years' work in such professional course:

The Schools of Mines, Engineering, and Chemistry
The College of Physicians and Surgeons
The Schools of Fine Arts (Architecture and Music)

[1] In exceptional cases, students of high scholarship who have completed two years of College work elsewhere may satisfy the residence requirement by the completion of 34 points, not including Summer Session or Extension Teaching.

(*b*) Upon receiving 94 points credit he may similarly take and count towards the bachelor's degree one year's work in any of the above schools and also in the School of Law or as a candidate for a diploma in teaching in Teachers College.[1]

It should be noted that in general no course for which credit is given toward a professional degree may be included in the preliminary credit requirement.

Additional Options

In addition to the professional options outlined above, the students of the College may become candidates for the certificate of preparation for foreign service. See page (281).

They may also under suitable circumstances offer toward the Bachelor's degree courses given at the Union Theological Seminary or the General Theological Seminary, or if they are within twelve points of receiving the Bachelor's degree, they may take certain graduate courses in addition to their undergraduate programs.

Additional Credit for High Standing

At the end of every half-year additional credit for high standing is given as follows:

The mark A in any two courses (no course being counted twice) entitles the student to one point of extra credit, provided he has not fallen below the mark B in any of the courses pursued by him during the half-year, other than Physical Education **A** and **B**, in which he must not have fallen below the grade of C.

The student having made 94 points, including all prescribed work, may receive 1 or 2 extra credits under conditions of candidacy set forth in the Announcement, by earning a grade of A or B for an essay prepared in connection with the work of one or two graduate courses elected under the provisions of Rule 6.

Choice of Studies

For recommendations in regard to the choice of studies the reader is referred to the *Announcement of Columbia College for 1911–12.*

Examinations in Course

Two series of *Stated Examinations* are held in January and May (see Academic Calendar, page 488).

Deficiency Examinations are held within the two weeks immediately preceding the opening of the College in the autumn; and, in addition, by special permission, during the first week in May.

For details see *Columbia College Announcement of 1911–12.*

[1] Such candidates register and pay their fees in Teachers College and become subject to the educational control of its faculty.

Advice to Students

All students admitted with conditions are assigned for advice to the Committee on Admissions until such time as their entrance deficiencies or conditions be removed. All candidates for honors are assigned for advice to a representative of the department in which they first elect honor work. All other students are assigned to the Dean of the College, or to such officer of instruction or administration as he may designate.

Grades, Credit, and Reports

The student's performance in a course is reported according to the following grades : A, excellent ; B, good ; C, fair ; D, poor ; F, failure. Grades A, B, C, and D pass a student in the course.

A student who receives a mark of F in any prescribed course must repeat that course. In any half-year or Summer Session not more than one course, whether prescribed or elective, in which the student is marked D, may be counted toward a degree.

Within three weeks after the close of an examination period a final report of standing for the half-year will be sent to the student, to his parent or guardian, and to his faculty adviser. The report will also indicate the number of points which the student has obtained to date and his deficiencies, if any, in entrance requirements and in prescribed courses Tentative reports are also made at mid-term.

All petitions for changes in, or additions to, a student's record must be made within four months of the time at which the entry was made or should have been made.

Classification of Students

Matriculated students whose record as to entrance conditions and the completion of prescribed courses is satisfactory to the Committee on Instruction, are classified in the University Catalogue as follows:

Freshmen, those who have less than 26 points.
Sophomores, those who have completed 26 points.
Juniors, those who have completed 58 points.
Seniors, those who have completed 88 points.

REGISTER OF STUDENTS

COLUMBIA COLLEGE

NOTE.—Matriculated students are classified according to the regulations printed in the *College Announcement* for 1911–12. Under these regulations some students who will graduate in 1912 and 1913, respectively, are enrolled in the lower classes.

SENIORS—CLASS OF 1912.

DE AGÜERO, MIGUEL E., JR.....New York City
AHEARN, THOMAS JAMES, JR.....New York City
AHEARN, WILLIAM DANIEL.....New York City
ALLEY, JAMES BURKE.....Muskogee, Okla.
ARMSTRONG, FRANCIS TUTTLE.....Katonah, N. Y.
BACHRACH, DUDLEY JEROME.....New York City
BAINTON, WILLIAM LEWIS.....New York City
BAKER, WALTER ERNEST.....New York City
BARKER, HENRY MORGAN.....Newark, N. J.
BARRETT, BEACH.....Bloomfield, N. J.
BEARD, JAMES THORN.....Scranton, Pa.
BERNSTEIN, BENJAMIN.....New York City
BOSCH, ERNEST.....New York City
BRENNER, ARTHUR BEARNS.....New York City
BRILL, ISIDOR C.....Portland, Ore.
BRODERICK, EDWARD VINCENT.....Yonkers, N. Y.
BULLWINKEL, EDWARD JOHN.....New York City
BUNZL, JULIUS VICTOR.....New York City
CALAHAN, HAROLD AUGUSTIN.....New York City
CARROLL, JOSEPH WILLIAM.....New York City
CLYNE, HERBERT H.....New York City
COFFIN, LEWIS AUGUSTUS, JR.....New York City
CONWAY, JOSEPH ALOYSIUS.....New York City
CORWIN, HILARY.....Huntington, N. Y.
CROUZE, ALBERT P.....New York City
CULMAN, FREDERICK.....New York City
CUMMINGS, ARTHUR ROLAND.....New York City
DARLINGTON, GILBERT S. B.....Harrisburg, Pa.
DAVIS, AUSLEY GEORGE.....New York City
DINGMAN, NORMAN MCLEOD.....Spring Valley, N. Y.
DINKELSPIEL, LEONARD.....New York City
DJEVAD, EYOUB.....Constantinople, Turkey
DWIGHT, BEN HUNTER.....Durant, Okla.
EBELING, WILLIAM BRUNO.....New York City
ELSASSER, HENRY.....New York City
FAAS, CHARLES THORNE.....Great Neck, N. Y.
FAIRBAIRN, RUSSELL ARNOLD.....New York City
FEINSOD, ELIAS.....New York City
FINLAYSON, FRANK LATHROP.....New York City
FORSTER, WILLIAM W.....Yonkers, N. Y.

FRANK, LAWRENCE KELSO.....New York City
GERSTLE, HENRY S.....New York City
GRAY, WILLIAM ALEXANDER.....New York City
GRISCOM, LUDLOW.....New York City
GRUNOW, WILLIAM RANALD.....Waterbury, Conn.
HENLE, JAMES HENRY.....New York City
HERRLICH, WILLIAM.....New York City
HEYMAN, DAVID MELVILLE.....New York City
HOLZWORTH, JOHN M.....New York City
HORTON, MARK M.....Whittier, Calif.
HUNT, HORACE H., A.B. Denison 1911.....Granville, Ohio
IAASON, ALFRED HERBERT.....New York City
ISBELL, ORRIN CASTLE.....New York City
JACKSON, SAMUEL L.....New York City
JACQUES, HENRI C.....New York City
JOSEPH, PASCAL I.....New York City
KEMP, JAMES TAYLOR.....New York City
KERLEY, JAMES HOYT.....New York City
KETELS, LUTHER HENRY.....Newark, N. J.
KNOPF, ALFRED A.....Lawrence, N. J.
KOENIG, EGMONT LOUIS FRANCIS.....New York City
KOPELOFF, NICHOLAS.....New York City
KUNZMAN, IRVING.....Plainfield, N. J.
KWAN, YAN CHO.....Canton, China
LEVY, JOSEPH.....New York City
LIFF, JOSEPH.....New York City
LUHMAN, CHESTER.....New Rochelle, N. Y.
McMACKIN, FRANK JOSEPH.....Philadelphia, Pa.
MACKEY, RICHARD JOSEPH.....Jersey City, N. J.
MACKINTOSH, JAMES.....Jefferson Valley, N. Y.
MACMAHON, ARTHUR WHITTIER.....Lyndhurst, N. J.
MAUL, WILLIAM FREDERICK.....New York City
MAURER, GEORGE LANE.....New York City
MAURICE, STEWART.....Mamaroneck, N. Y.
MAYER, MAX D.....New York City
MEYER, CHARLES HARRISON.....New York City
MINSKY, HERBERT.....New York City
MOORE, ALEXANDER PARKS.....New York City
MOSES, ALFRED STAUNTON.....Southport, Me.
MŪFARRIJ, TOUFIK.....Lebanon, Syria
NORDLINGER, HENRY HAROLD.....New York City
NORTHROP, JOHN HOWARD.....Yonkers, N. Y.
NORTON, KENNETH B.....New York City
O'FLANAGAN, EDMOND.....New York City
O'SULLIVAN, THOMAS FRANCIS.....New York City
PADDOCK, EUGENE HIRAM, JR.....New York City
PARK, JOSEPH HENDERSHOT.....Port Murry, N. J.
PAYNTER, RICHARD H., 3D.....New York City
PETERS, ANDREW, JR.....New York City
PITTS, ALFRED LEIGH.....Valley Stream, N. Y.
PODELL, JACOB.....New York City
PORTER, FITZ JOHN.....New York City
PROX, CLAUS CARL HERRMANN.....New York City
PULLEYN, JOHN.....New York City
PYNE, WARNER CHARLES.....New York City
REYNOLDS, ROBERT JESSE.....Potsdam, N. Y.

RIEGEL, GUY.....Lebanon, Pa.
ROGOW, CHARLES.....New York City
ROTHENBERG, BENJAMIN.....New York City
ROTHWELL, AUSTIN SHERWOOD.....New York City
RUNGE, OTTO ERNST.....New York City
SANDERS, THEODORE MICHAEL.....New York City
SAPIRO, DAVID.....New York City
SAXE, WILLIAM VOGEL.....New York City
SCHECHTER, FRANK.....New York City
SCRATCHLEY, GEORGE KENNER.....Salina, Kan.
SELIG, SOLOMON.....New York City
SHEARS, LAMBERT A.....New York City
SHIRLEY, AMOS REGINALD.....New York City
SHREWSBURY, WILLIAM.....New York City
SIEMON, WILLIAM S.....Wilkinsburg, Pa.
SIFF, ALBERT LEON.....New York City
SMALE, WILLIAM P., JR.....New York City
SMALLHEISER, ALBERT LEE.....New York City
SMITH, ALLAN HAMILTON.....Kingston, N. Y.
SMITH, AUGUSTUS C., JR.....New York City
SMITH, WESLEY L.....Baldwin, N. Y.
STEARNS, WILBUR WATKINS.....Yonkers, N. Y.
STRANG, BENJAMIN BERGEN.....New York City
STURTEVANT, ALFRED HENRY.....Kushla, Ala.
SWAIN, JOSEPH WARD.....Dillon, Mont.
SWAZEY, EDWARD SCOTT.....San Antonio, Tex.
THURLOW, LEWIS KELMOND, JR.....New York City
TRIMBLE, RUFUS JAMES.....New York City
WATSON, THOMAS H., JR.....New York City
WHITLOCK, BACHE MCE.....New York City
WIMMER, JOHN DAVIDSON.....Minden, Neb.
WOLF, MORRIS.....Philadelphia, Pa.
WOODWELL, CAROLUS S.....Pomona, Fla.
YATES, MILES LOWELL.....Ilion, N. Y.
YOUNG, RALPH HOWARD.....Newport, R. I.
YOUNGER, DAVID H.....Newark, N. J.
ZOLLER, HAROLD.....New York City

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JUNIORS—CLASS OF 1913

AARONSON, ISAAC.....New York City
BAAR, EMIL N.....New York City
BANKSON, PHILETUS COOLEY.....Erie, Pa.
BEEMER, JAMES G., JR.....Yonkers, N. Y.
BERK, WILLIAM LEONARD.....New York City
BERNSTEIN, ALFRED.....New York City
BIRNBAUM, HARRY.....New York City
BITTERMAN, ALBERT.....Yonkers, N. Y.
BLUESTONE, EPHRAIM MICHAEL.....New York City
BOURNE, RANDOLPH SILLIMAN.....Bloomfield, N. J.
BRAUS, LEON.....New York City
BRIDGES, CALVIN BLACKMAN.....River Edge, N. J.
BROCK, ARNOLD J.....New York City
BURKHARD, RUSSELL VIETOR.....New York City
BURSTEIN, ABRAHAM.....Cleveland, Ohio
CALDWELL, GEORGE DANFORTH.....Louisville, Ky.

Campbell, William M	New York City
Chipkin, Israel Solomon	New York City
Christie, Chester I	New York City
Colby, Elbridge	New York City
Cole, Charles A	Montclair, N. J.
Colp, Ralph	New York City
Cooper, Morris, Jr	New York City
Cox, Wesley Cintra	New York City
Crow, Allen Benjamin	Keokuk, Iowa
Curry, Vincent Edward	Hyde Park, N. Y.
Dickie, Douglas Perry	New York City
Downes, Elliott Hawkeridge	New York City
Du Bois, Arthur Mason	New York City
Ellenwood, James Lee	Dannemora, N. Y.
Engel, Gabriel	New York City
Fike, Tracy R. V	New York City
Fitz Randolph, John Anderson	New York City
Fleck, Harry Deegan	New York City
Foote, J. Wilford	Elkland, Pa.
Fowler, Dudley Frederick	New York City
Frank, Victor	Chicago, Ill.
Friou, George	New York City
Gahagan, Andrew J	Coushatta, La.
Glover, Calvin Shearman	New York City
Gottesman, Michael	New York City
Greenberg, Hyman	New York City
Griffin, Egbert Bradney	New York City
Griscom, Acton	New York City
Harris, Ralph Scott	Birmingham, Ala.
Hartig, Siegfried H	New York City
Henderson, Harry Buck	Cheyenne, Wyo.
Hewetson, Joseph Henry	Bayonne, N. J.
Holzman, Martin	New York City
Houghton, S. Phillips	New York City
Howell, Ralph Williams	Washington, D. C.
Hyman, Maxwell	New York City
Jaques, Sandford	Elizabeth, N. J.
Johnston, Henry T	Ishpeming, Mich.
Kadison, Milton	New York City
Kamaiky, David E	New York City
Kaplan, Michael	New York City
King, Emanuel	New York City
Klein, Eugene	New York City
Kloster, Walter Joseph	New York City
Kupfer, Walter Scott	New York City
La Dow, Stanley Vaughan	New York City
Lahey, William Stewart	Jersey City, N. J.
Levitt, Albert	Meadville, Pa.
Levy, Jerome	New York City
Lewis, Clarence Leslie	New York City
Liang, Chi Shuen	Canton, China
Little, John Theodore	New York City
Louis, Sidney M	New York City
McCormick, John Kernan	New York City
McElvare, George G	New York City
McKenna, Edward Laurence	New York City

MANNING, CLARENCE AUGUSTUS ..... New York City
MARCUS, SIDNEY ..... Buffalo, N. Y.
MARION, PIERCE ..... Bayonne, N. J.
MILHEISER, CLARENCE FREDERICK ..... Galveston, Texas
MOHR, WALTER R ..... New York City
MOON, PARKER LE ROY ..... Yonkers, N. Y.
MOORE, CHARLES ALLERTON ..... Binghamton, N. Y.
MULWITZ, JACOB ..... Port Chester, N. Y.
NETTER, WILLIAM ..... New York City
O'NEILL, JAMES ALLAN ..... Jersey City, N. J.
OSSERMAN, HYMAN AARON ..... Edgewater, N. J.
PARDEE, IRVING HOTCHKISS ..... New York City
PERLOWITZ, CHARLES ..... New York City
POLHEMUS, GEORGE W ..... Washington, D. C.
PRICE, JOSEPH ..... New York City
PROPPER, KARL ..... New York City
REED, LYNN POWERS ..... New York City
REEDER, EDWIN HEWETT ..... Hastings-on-Hudson, N. Y.
REUTTER, ROBERT HENRY ..... New York City
ROBINSON, FRANKLIN WILLARD ..... Long Beach, Calif.
ROSENTHAL, WILLIAM JOSEPH ..... New York City
ROTHSCHILD, JAY LEO ..... New York City
SCHEUER, SIMON H ..... New York City
SELLEW, WALDO WHITE ..... New York City
SHANKS, NATHAN ..... New York City
SHELLEY, HENRY VOGEL, JR ..... New York City
SHIBLEY, GERALD SPENCER ..... New York City
SINGER, ANTON ..... West Hoboken, N. J.
SLATER, ALEXANDER ..... New York City
SLOSSON, PRESTON WILLIAM ..... New York City
SMITH, ALAN DE FOREST ..... New York City
SPOONER, MALCOLM GRAEME ..... Brookfield, N. Y.
SPRINGER, ALLAN PAUL ..... New York City
STEARNS, GEORGE RAYNOLDS, JR ..... Buffalo, N. Y.
STECKLER, EDWARD L ..... New York City
STEINHARDT, LAURENCE A ..... New York City
STRAUSS, IRWIN DERNHAM ..... Holyoke, Mass.
SULZBERGER, ARTHUR HAYS ..... New York City
TANZOLA, VINCENT ..... New York City
THOMPSON, WILLIAM GORDON ..... New York City
VALENSI, ALBERT ..... New York City
WACK, WILLIAM H ..... New York City
WATSON, CUTHBERT MELROSE ..... West New York, N. J.
WEILL, MILTON ..... New York City
WELLINGTON, HERBERT GALBRAITH ..... Ft. Worth, Texas
WHITE, WALLACE ..... New York City
WILSON, JAMES PERRY ..... Newark, N. J.
WILSON, SINCLAIR J ..... New York City
WYE, TOM SHEW ..... New York City
ZUKERMAN, DAVID ..... New York City

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SOPHOMORES—CLASS OF 1914

ADLER, HAMILTON ..... New York City
AGNEW, GORDON GRANGER ..... Cincinnati, Ohio
ALLEN, RALPH BERGEN ..... Manhasset, N. Y.

ALLISON, MILTON MYERS.....Ingram, Pa.
ALTSCHULER, REX BAINE.....Hackensack, N. J.
D'AMATO, ORLANDO.....New York City
ANDERSON, HERBERT HAMPTON.....New York City
BAILEY, WILLIAM BANCKER.....New York City
BALL, DAVID SPENCER.....New York City
BARNETT, CARLYLE REGINALD.....New York City
BARR, SIMON.....New York City
BARTH, ERNEST ALBERT.....New York City
BATURIN, MOSES.....Harrisburg, Pa.
BEIDLEMAN, FRED ALLEN.....New York City
BENDER, RAYMOND C.....Elizabeth, N. J.
BERLINER, IRWIN M.....New York City
BERNHEIM, ALFRED L.....New York City
BERNSTEIN, BERNARD.....New York City
BIRD, J. MALCOLM.....New York City
BOBBÉ, SIDNEY SAMUEL.....New York City
BOKSHITZKY, MITCHELL ELI.....New York City
BOTSFORD, JAY BARRETT.....Mt. Vernon, N. Y.
BRADY, LEOPOLD.....New York City
BRAMWELL, GEORGE MOFFAT.....New York City
BRANDES, WALTER WILLIAM.....Washington, D. C.
BRENNECKE, HENRY CARL.....New York City
BROWN, FRANK J.....New York City
BUCHTENKIRCH, GEORGE CHARLES.....New York City
VAN BUREN, MAURICE PELHAM.....New York City
BUTLER, CHARLES SELEN.....New York City
BUTTERWORTH, GEORGE FORREST, JR.....New York City
CAWL, FRANKLIN R.....New York City
CHAN, YEW YUNG.....Shanghai, China
CHAPIN, WARREN B., JR.....New York City
CHASE, CHARLES HARRY.....Julesburg, Colo.
CLASS, JOHN LYONS.....New York City
COATES, ARCHIBALD A.....New York City
COHEN, SAMUEL.....New York City
COHN, CLARENCE.....New York City
COLE, HARRY DIX.....New York City
CORRIGAN, MICHAEL A.....New York City
CRAMPTON, WILLIAM DE WITT, JR.....Naugatuck, Conn.
DAHMAN, WALLACE W.....Woodhaven, N. Y.
DANZIG, SAMUEL.....Albany, N. Y.
DEMUTH, FRANK W.....New York City
DREISBACH, PAUL WILLIAM.....Weehawken, N. J.
DRESHER, HUDSON W.....New York City
EGBERT, LESTER DARLING.....New York City
ESKOLSKY, MORRIS J.....New York City
EVANS, LEWIS ALEXANDER.....New York City
EXSTEIN, MYRON WEISMAN.....New York City
FARRELL, HARRY JOSEPH.....New York City
FICHTER, WILLIAM LEOPOLD.....New York City
FINE, NATHAN.....New York City
FISHER, HENRY LAPE.....New York City
FOLKOFF, MEYER CASPAR.....New York City
FORD, RUSSELL HEWS.....White Plains, N. Y.
FRECH, ROBERT HUBERT.....West Hoboken, N. J.
FRIES, JULIUS FREDERICK.....New York City

GALINGER, GEORGE W.....New York City
GEER, FRANCIS HUNT.....New York City
GERSON, BERNARD F.....Montgomery, Ala.
GOLDENBERG, GEORGE.....New York City
GORDON, FRANK ABRAHAM.....Elizabeth, N. J.
GOTTLIEB, BERNARD.....New York City
GRAFTON, HORACE KIRBY.....New York City
GREEN, ALBERT A.....New York City
GREENBERG, DAVID.....New York City
GRIFFEN, RICHARD FIELD.....New York City
HALE, RICHARDS.....New York City
HALSTED, JOHN PENNINGTON.....New York City
HAMBIDGE, GOVE JAY.....New York City
HARVITT, ADOLPH.....New York City
HASSINGER, PHILIP EDWARD.....New York City
HICKS, CLARENCE JOHN, JR.....White Plains, N. J.
HILLAS, ROLAND A.....West Hoboken, N. J.
HIRSHCOPF, PINCUS.....New York City
HIRSHLEIFER, LOUIS JUDSON.....New York City
VON HOFE, GEORGE D., JR.....New York City
HOLLMANN, RICHARD F.....New York City
HOUSE, NATHAN C.....New York City
HUANG, CHEN-HUA.....Tientsin, China
INGALLS, ROSCOE CUNNINGHAM.....New York City
JENSEN, ERIK LEONHARD.....New York City
JESSUP, HENRY HERBERT.....New York City
JOHNSON, NORMAN R.....New York City
JOHNSON, PAUL BARRUS.....New York City
KAUFFMAN, HENRY.....Hackensack, N. J.
KAUFMAN, SAMUEL.....Newark, N. J.
KEELER, HOWARD.....New York City
KERR, D. RENWICK.....New York City
KING, ROBERT M.....New York City
KINNEY, MORRIS.....Butler, N. J.
KNAPP, CHARLES MERRIAM.....New York City
KONARSKI, MICHAEL MIECRYSLAW.....New York City
KOTTEK, HERBERT.....New York City
KROLFIFER, JULIUS FREDERIC.....New York City
KROLL, ABRAHAM.....New York City
KRUG, CARL.....New York City
KUHN, ISIDOR.....New York City
LAGUARDIA, GARIBALDI.....New York City
LASHER, JOHN KENNEDY, JR.....Yonkers, N. Y.
LAURIER, CARL.....Allendale, N. J.
LAURIER, LUDWIG.....Allendale, N. J.
LAWTON, ERNEST BEATTIE.....New York City
LEBENDIGER, ISRAEL.....New York City
LEGGETT, THOMAS HAIGHT, JR.....Plainfield, N. J.
LEVINSON, NATHAN H.....New York City
LINTZ, JOSEPH.....New York City
LIPSCHULTZ, JACOB.....New York City
LOGAN, WALTER.....New York City
LORENTZ, MILTON.....New York City
LOWENSTEIN, ABRAHAM GABRIEL.....New York City
LYNCH, JAMES A., JR.....New York City
MCCALLUM, JAMES DOW.....West Nutley, N. J.

McElvare, Rowland R. ..... New York City
McNulty, Donald Stuart ..... New York City
MacRossie, Allan Albert ..... New York City
Magnette, Jules, Jr. ..... Newark, N. J.
Mandell, Ambrose J. E ..... New York City
Mann, Jacob ..... New York City
Marks, William Bennett ..... New York City
Matheson, George Wilson ..... New York City
Mathews, William Elmer ..... Potsdam, N. Y.
Meenan, Daniel, Jr. ..... New York City
Miller, Harold Wharton ..... New York City
Minor, James Henry ..... Plainville, Conn.
Mook, Charles Craig ..... Metuchen, N. J.
Moskowitz, David H. ..... New York City
Murnen, Arthur Lee ..... Tacoma, Wash.
Mutscheller, Arthur ..... New York City
Nankin, Isaac ..... New York City
Neumann, Emanuel ..... New York City
Nielsen, Lawrence Henry ..... New York City
Nussbaum, Benjamin ..... New York City
Nyland, Fritz Charles ..... Glen Ridge, N. J.
Oldfield, Charles ..... Norfolk, Va.
Perlzweig, William Alexander ..... New York City
Person, Charles William ..... Syracuse, N. Y.
Peterson, Chester William ..... New York City
Phillips, Robert Beach ..... Alexandria, Ind.
Phipps, Francis Harloe ..... Mt. Vernon, N. Y.
Pike, Samuel M ..... New York City
Pincus, Sol ..... New York City
Pistner, Bernard ..... New York City
Poppen, John Ryer ..... Athenia, N. J.
Prétat, Robert ..... Waterville, Conn.
Purdy, James Howard, Jr. ..... New York City
Rappaport, Jack L ..... New York City
Reichman, Robert ..... New York City
Reilly, Howard ..... New York City
Reutter, Charles Ernest ..... New York City
Robbin, Lewis ..... Steelton, Pa.
Robbins, James Bulger ..... Babylon, N. Y.
Robinson, Karl Davis ..... New York City
Roney, John Lee ..... North Franklin, N. Y.
Root, William Raymond ..... New York City
Rose, Albert Anson ..... Syracuse, N. Y.
Rosenblatt, William ..... New YorkCity.
Roth, Solo ..... New York City
Rothwell, Albert Cyril ..... New York City
Rubin, Samuel ..... New York City
Sachs, Samuel ..... New York City
Sachs, Samuel Ezekiel ..... New York City
Samuels, Archie H. ..... New York City
Samuels, Milton M ..... New York City
Schlesinger, Laurence A. ..... New York City
Schlottman, Gustave ..... New York City
Scott, Peter Alfred ..... New York City
Shaw, Frank ..... New York City
Silverstein, Abraham ..... New York City

SINCLAIR, RALPH H.....New York City
SKIPP, FRANCIS EDWIN.....New York City
SMITH, IRVING D.....Harriman, N. Y.
SMITHERS, ADELBERT F.....New York City
SPENCER, EDGAR ALLEN B.....New York City
STAUBITZ, HENRY CHARLES.....Jersey City, N. J.
STERN, HERBERT JAMES.....New York City
STIEFEL, WALTHER ALBERT.....South Orange, N. J.
STRAUSBURG, ABRAM.....Easton, Pa.
SUTLIFF, EDWARD HARRISON.....New York City
SWORDS, ALBERT T.....New York City
TANG, YOUNG-LEE.....Tientsin, China
TIMMONS, WILLIAM JUDSON.....Texline, Texas
TISHMAN, LOUIS.....New York City
TRAGITT, HORATIO N.....Milbank, S. D.
UNDERHILL, EDWARD MARVIN.....Fishkill, N. Y.
UNTERMYER, EUGENE MAURICE.....New York City
VALENTINE, KENNETH.....New York City
VOORHIES, JAY.....New York City
WARD, EDWARD DENVER.....Ironton, Ohio
WATERBURY, CHARLES HAROLD.....Mamaroneck, N. Y.
WEBB, G. RAYMOND.....Buffalo, N. Y.
WECHSLER, PHILIP.....New York City
WEINER, STANLEY F.....New York City
WEINSTEIN, ALEXANDER.....New York City
WEISKOTTEN, HERBERT THEBERATH.....New York City
WELLENKAMP, JOHN.....New York City
WEST, WILLIAM L.....New York City
WHELAN, FRANCIS R.....New York City
WILSON, JAMES.....Jersey City, N. J.
WINDSOR, BURTIS NOBLE.....Hornell, N. Y.
WISE, HERBERT ALVIN.....New York City
WOLK, ABRAHAM.....Pittsburgh, Pa.
WORTHINGTON, JOSEPH EDWARD, JR.....East Orange, N. J.
ZEMAN, FREDERIC DAVID.....New York City
ZVIRIN, EMIL.....Larchmont, N. Y.

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FRESHMEN—CLASS OF 1915

ALMAND, ARTHUR WINFREE.....Conyers, Ga.
ALVORD, DONALD BARNUM.....New York City
ANTHONY, HAROLD ELMER.....Ironside, Ore.
ARMSTRONG, JOSEPH BARTLETT.....Whitestone, N. Y.
ARONESCU, LEON I.....New York City
AXELROD, HERMAN.....New York City
BAER, STERLING.....New York City
BAGG, HALSEY J.....New York City
BAKOVITZ, HARRY.....New York City
BARNES, FRANK EDWARD.....Pownal, Vt.
BARON, JOSEPH.....New York City
BARON, JOSEPH LOUIS.....New York City
BARTHOLOW, BENJAMIN HILSDON.....Mt. Vernon, N. Y.
BAXTER, LEO MAURICE.....Orange, N. J.
BEATTY, LAWRENCE RICHMOND.....New York City
BECKWITH, ALBERT JACOB.....New York City
BELL, A. L. LOOMIS.....Englewood, N. J.

BENVIE, GEORGE.....New York City
BERNSTEIN, LOUIS.....New York City
BHADKAMKAR, PURUSHOTTAM.....Bombay, India
BIERMAN, WILLIAM.....New York City
BIJUR, SHERMAN M.....New York City
BILDER, WALTER JENNINGS.....Paterson, N. J.
BLACKWELL, JAMES MADISON.....New York City
BLOCH, JAMES JOSEPH.....New York City
BOGERT, EDWARD OSGOOD.....New York City
BONART, COLMAN ISAAC.....New York City
BONVICINO, LOUIS ANTHONY.....New York City
BOOTH, FRANK.....New York City
BRADY, FRANCIS LOYD.....New York City
BRAGER, LOUIS.....New York City
BRAINERD, HOWARD.....New York City
BRAISLIN, WILLIAM DONALD.....New York City
BRAVERMAN, BENJAMIN.....New York City
BRIDGES, MILTON ARLANDEN.....New York City
BRIEANT, CHARLES LA MONTE.....Ossining, N. Y.
BRINKERHOFF, HAROLD.....New York City
BROWN, CYRIL J.....Great Neck, N. Y.
BROWN, JOHN EARLE.....New York City
BUNZL, WALTER.....New York City
BURGHARD, EDWARD GEORGE.....New York City
BUTLER, GEORGE PRENTISS, JR.....Yonkers, N. Y.
CAMPBELL, DUNCAN.....New York City
CANNON, TOWNSEND L.....New York City
CATZEN, BERTRAM.....Baltimore, Md.
CAWSTON, ARTHUR HAMILTON.....Los Angeles, Calif.
CHEN, CHIA-HSUN.....Hunan, China
CHENEY, GUY A.....Morrisville, Vt.
CHUI, LEONG.....Canton, China
CHURCH, JOHN ROOT.....Hamburg, Germany
CLARK, EDWARD BURCHAM.....New York City
CLARK, WILLIAM.....Katonah, N. Y.
COLLETTI, JAMES.....New York City
COOPER, LEO MYER.....New York City
COWAN, JOHN HARDING.....New York City
COYKENDALL, GLENN BROWN.....New York City
CRANE, ALBERT LOYAL.....New York City
CRONENBERG, CHARLES.....Mt. Vernon, N. Y.
CURRY, TRUMAN MINOR, JR.....New York City
DANIELSON, LESTER CLARK.....New York City
DAWSON, GEORGE MILLARD.....Denver, Colo.
DERBYSHIRE, ALFRED JAMES.....New York City
DE VEAU, LOUIS B., JR.....New York City
DICKINSON, HERBERT CODWISE.....Irvington-on-Hudson, N. Y.
DINSMORE, ALVIN LENHART.....Harrisburg, Pa.
DRECHSLER, EMIL.....New York City
DU BOIS, ROBERT OGDEN.....New York City
DUNCAN, JAMES DONALD.....New York City
DWYER, WALTER WILLIAM.....New York City
DZUNG, KAI-YING.....Che-kiang, China
EDINGER, ERNEST HAROLD.....Jersey City, N. J.
EISNER, MOSES N.....Poughkeepsie, N. Y.
ELLINGER, LOUIS JULIUS.....New York City

ELSTEIN, CHARLES ..... New York City
ELWYN, ADOLPH ..... New York City
EMERICK, BENJAMIN IRVING ..... Ardsley, N. Y.
ENSIGN, WILBUR ..... River Falls, Wis.
EVANS, GWILYM DUDLEY ..... Scarsdale, N. Y.
FALLON, JOSEPH M ..... Mamaroneck, N. Y.
FAY, THOMAS ..... New York City
FEIN, JACOB ..... New York City
FEINBERG, CLEMENT ..... New York City
FERBER, JACOB ..... New York City
FERN, SAMUEL SIDNEY ..... Elizabeth, N. J.
FINK, EMIL HENRY ..... White Plains, N. Y.
FOERSTER, WALTER FRANK LOUIS ..... New York City
FOWLER, FRANKLYN DUNNING ..... New York City
FRIEDRICH, CHARLES H. S ..... New York City
FROMMER, SAMUEL ..... New Haven, Conn.
FUSFELD, IRVING S ..... New York City
GARRY, LOUIS S ..... New York City
GATES, WILTON JOHN ..... Nyack, N. Y.
GIBSON, CHARLES RAYMOND CORLEY ..... Yonkers, N. Y.
GILBERT, EDWARD HOLMES, JR ..... Flushing, N. Y.
GILMAN, COBURN ..... Denver, Colo.
GINSBERG, ISIDORE ..... New York City
GOODMAN, HERMAN ..... New York City
GOODMAN, ISRAEL ..... New York City
GOODSTEIN, PHILIP ..... New York City
GOODWIN, WALTER CAMPBELL ..... New York City
GORDON, PHILIP ..... Newark, N. J.
GRAHAM, ALVIN LIDDON ..... New York City
GRAHAM, STERLING E ..... New York City
GRANT, PRYOR MCNEILL ..... Birmingham, Ala.
GREENBERG, JACOB W ..... Arverne, N Y.
GROSSBAUM, BENJAMIN ..... New York City
GWATHMEY, WILLIAM RIDDLE ..... Nashville, Tenn.
HAAREN, ARTHUR HERMAN ..... New York City
HAINES, DALLAS WAY ..... New York City
HALDENSTEIN, ALFRED AUGUSTUS ..... New York City
HANMER, JACK LOCKWOOD ..... New York City
HASTINGS, FREDERICK ALLEN ..... New York City
HAUBEN, LOUIS ..... New York City
HAYDEN, ROY A ..... Oran, Mo.
HEARN, CORNELIUS, JR ..... New York City
HENNE, ARTHUR WILLIAM ..... New York City
HENRY, LEONARD ..... New York City
HERBERT, WILLIAM H ..... New York City
HERKERT, KARL ..... Yonkers, N. Y.
HERMAN, HAROLD ..... New York City
HERSEY, CHARLES ADDISON ..... Yonkers, N. Y.
HILDRETH, LELAND JAGGAR ..... Southampton, N. Y.
HILL, ARTHUR WILLMOT ..... New York City
HOCH, SAMUEL ..... New York City
HOFFMANN, ALBERT SIGFRIED ..... New York City
HOFFMAN, MOSES DAVID ..... Newark, N. J.
HOLZINGER, JOHN JACOB ..... New York City
HUBBARD, J. SLATER ..... New York City
HUYLER, WASHINGTON CONNOR ..... Tenafly, N. J.

Ilsen, Werner Reginald ..... New York City
Ingalls, Frederick Wilson ..... New York City
Jabine, Louis ..... Yonkers, N. Y.
Jacobson, David Lyon ..... Jersey City, N. J.
Jägendorf, Moritz Adolf ..... New York City
Janney, Samuel Macpherson, Jr ..... New York City
Jewett, Frederick William ..... New York City
Jimenis, Edwin A ..... New York City
Johnson, Alfred ..... Englewood, N. J.
Johnston, William Sherman ..... New York City
Kaplan, Julius ..... New York City
Kaufman, Frank ..... New York City
Keil, Gunther ..... New York City
Kemp, Philip ..... New York City
Kemp van Ee, John Charles, Jr ..... New York City
Kimm, Willard Ives ..... Montrose, N. Y.
Klingenstein, Paul Henry ..... New York City
Knuth, Harvey Grey ..... Newark, N. J.
La Corte, Salvatore Francis ..... Elizabeth, N. J.
Lander, William Peter Sirius ..... New York City
Lane, Lester Barker ..... Peekskill, N. Y.
Lazrus, Benjamin ..... New York City
Lee, John Charles, Jr ..... New York City
Lee, Young W ..... Kwong-tung, China
Lehman, Edward ..... Weston, W. Va.
Leonard, Chester F ..... Flushing, N. Y.
Loesch, Hugo ..... New York City
Logan, Charles Thomas, Jr ..... Palisade, N. J.
Los Kamp, Harold ..... New York City
Love, John Wheatley, Jr ..... New York City
McElhinny, John Joseph ..... New York City
McHale, William Joseph ..... New York City
MacLachlan, Howard J ..... Yonkers, N. Y.
MacNair, Ira Preston ..... New York City
Mandl, Max Macbeth ..... New York City
Marcus, Lazarus ..... New York City
Matthews, Harold Hilliard ..... New York City
May, Mortimer ..... New York City
Mayer, Jack Wilbur, Jr ..... New York City
Meierhof, Harold Lee ..... New York City
Menken, Harold D ..... New York City
Meyer, Herbert Lincoln ..... New York City
Milbank, Robert Watkinson ..... New York City
Miller, Sloane Erastus ..... New York City
Mischlich, Henry Litchfield ..... New York City
Moore, Walter V ..... New York City
Moorhouse, Ernest Bird ..... Tarrytown, N. Y.
Moriarty, Louis ..... Ossining, N. Y.
Morris, Lloyd Reginald ..... New York City
Mueller, Harold Herman ..... New York City
Murphy, George B ..... New York City
Murphy, James A ..... Buffalo, N. Y.
Nekarda, Victor Francis ..... New York City
Nevin, William ..... New York City
Newcomb, Henry Fields ..... New York City
Nichoson, Alexander Almy ..... Jersey City, N. J.

NOLAN, JAMES FRANCIS ..... Yonkers, N. Y.
NOONAN, RAYMOND L ..... New York City
NOREK, ALFRED ..... New York City
OAKLEY, GEORGE WASHINGTON, JR ..... Pleasantville, N. Y.
OELRICHS, HERMANN ..... New York City
O'NEALE, JAMES SAUNDERS, JR ..... New York City
OSGOOD, HAROLD S ..... New York City
OSTERHUS, GUSTAV KVALE ..... New York City
OSTERMAN, CONRAD ..... Jersey City, N. J.
PACE, ORESTES ..... Newark, N. J.
PALMER, ROGER ..... New York City
PASZEK, LEON FRANK ..... New York City
PATTERSON, WILLIAM A ..... New York City
PINK, CLARENCE EDWARD ..... New York City
POTTER, MICHAEL ..... New York City
PRINCE, JOHN DYNELEY, JR ..... Sterlington, N. Y.
REIBEL, JULIUS ..... Elizabeth, N. J.
RHINEHART, ARCHIE E ..... New York City
RICE, HUGH S ..... Madison, N. J.
RICE, JULIAN ..... New York City
RICHARD, EDWARD KARL ..... New York City
RICHARDSON, JOHN EDWARD ..... Atlantic City, N. J.
RIGGS, BENJAMIN R ..... Philadelphia, Pa.
ROBERTS, LLEWELYN ..... New York City
ROHRS, GEORGE CARLTON ..... New York City
ROMANOFF, MOSES ..... New York City
ROSEFF, ALEXANDER ..... Mt. Vernon, N. Y.
ROTHENBERG, DAVID M ..... New York City
SAGE, EDWARD W ..... New York City
SALWEN, EMANUEL ..... New York City
SAMUEL, MILTON ..... Bayonne, N. J.
SANBORN, VINCENT ..... New York City
SANDHUSEN, LOUIS HENRY ..... New York City
SANDS, WALTER HAROLD ..... New York City
SARACHEK, JOSEPH ..... New York City
SCEVA, LEWIS ..... New York City
SCHMUCKLER, JACOB ..... New York City
SEEDORFF, HENRY CHRISTOPHER ..... New York City
SHALLECK, JOSEPH ..... New York City
SHELDON, BRUCE SMITH ..... New York City
SHIBLEY, MAURICE ..... New York City
SIMON, HENRY ..... New York City
SINGER, CLARENCE ..... New York City
SMITH, SOL W ..... New York City
SOMERVILLE, RANDOLPH ..... New York City
SPENCE, PHILIP SUMNER ..... New York City
SPERLING, ELLIOTT MARK ..... New York City
STAM, PETER, JR ..... Paterson, N. J.
STEIN, MORRIS ..... New York City
STERN, JACOB ..... Bayonne, N. J.
STEVENS, WILLIAM COVERT ..... Port Chester, N. Y.
STOLBERG, BENJAMIN ..... Munich, Germany
STOVER, SUMNER ..... East Orange, N. J.
SUSSMAN, SAMUEL ABRAHAM ..... New York City
SWEENEY, JOHN GORDON ..... Utica, N. Y.
TANNER, WILLIAM FAY ..... New York City

TANZOLA, JOSEPH JOHN.....New York City
TAYLOR, EDMUND WILEY.....New York City
TENOPYR, OTTOKAR.....New York City
TICHENOR, CLIFFORD LEIGH.....Mt. Vernon, N. Y.
TITLAR, RALPH S.....Ossining, N. Y.
TODD, WARWICK HANFORD.....Dobbs Ferry, N. Y.
TRAINER, CAMILLUS ROGERS.....Huntington, N. Y.
TURETS, DAVID.....Pittsburgh, Pa.
VALENTINE, IRVING.....New York City
VAN BUSKIRK, GEORGE LUTHER.....New York City
VAN GAASBEEK, HAROLD C.....Kingston, N. Y.
VESSA, MICHAEL C.....New York City
VOORHEES, WILLIAM DE FORREST.....New York City
WATKINS, WALTER KENNETH.....New York City
WEED, LOWREY ALBERT.....Hillsdale, N. J.
WEEKS, WILLIAM CORNELL.....Huntington, N. Y.
WEIDINGER, CARL.....Englewood, N. J.
WEIL, FRANK LEOPOLD.....New York City
WEINBERG, CHARLES.....Elizabeth, N. J.
WESTERFIELD, WALTER HENRY.....Yonkers, N. Y.
WILLIAMS, BRYANT WALDO.....Lowville, N. Y.
WILLIS, HAROLD SATTERLEE.....Flushing, N. Y.
WILMOT, ARTHUR MONTGOMERY.....Middleport, N. Y.
WILSON, JOHN ALBERT.....Thwaite Moss, Bentham, England
WILSON, WILLIAM SATTERLEE.....New York City
WOOD, ALEXANDER H.....Kent, Conn.
WÜLFING, FREDERICK WILLIAM.....New York City
WURM, CARL.....New York City
ZAHN, GEORGE WALTER.....New York City
ZEYDEL, EDWIN.....New York City

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NON-MATRICULATED STUDENTS.

BELLINGER, WILLIAM H.....New York City
BERMAN, LOUIS E.....New York City
BHATTACHARYA, BASUDEB.....Calcutta, India
BUSH, ABRAHAM M.....New York City
CATTELL, MCKEEN.....Garrison-on-Hudson, N. Y.
DILLS, DUANE R.....Scranton, Pa.
EMMERICH, WILLIAM MAURICE.....New York City
FLOWER, WLLIAM P., JR.....New Orleans, La.
FRENCH, CHARLES ELTINGE.....St. Paul, Minn.
GOLDFARB, ISRAEL.....New York City
HELCK, WALTER.....Boston, Mass.
HULL, MAURICE C.....Danbury, Conn.
LESLIE, ROBERT, JR.....New York City
LITTLE, JULIAN MCCARTY.....Newport, R. I.
MEARS, JOHN HENRY.....Chicago, Ill.
PULLEN, FREDERICK J.....New York City
REUBEN, MILTON HAROLD.....New York City
SAFFORD, WARREN CLAY.....Spring Valley, N. Y.
SCHIEL, WALTER E.....New York City
SUCKLEY, ROBERT BOWNE, JR.....Rhinebeck, N. Y.
TAO, SHUMOU.....Peking, China
VALENTINE, HERBERT.....New York City
WINWARD, ALBERT.....Tiverton, R. I.

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SUMMARY

Candidates for Degrees:	
Seniors—Class of 1912	133
Juniors—Class of 1913	122
Sophomores—Class of 1914	207
Freshmen—Class of 1915	271
Non-Matriculated Students	23
Total	756

20 matriculated Students in the College attended the Summer Session of 1911, but did not register in the College for the first term of the academic year 1911–1912.

SCHOOL OF LAW

The Faculty

The President of the University

Dean STONE

Professors ABBOTT, BURDICK, BURGESS, CANFIELD, [1] GOODNOW, GUTHRIE, KIRCHWEY, MOORE (J. B.), SMITH (Munroe), REDFIELD, TERRY

Mr. DORR Mr. REYNOLDS Mr. WHITAKER

Officers of the Faculty

Professor STONE.....*Dean and ex-officio Member of the University Council*

Professor REDFIELD.....*Secretary*

Professor REDFIELD (*Term expires* 1914).....*Elected Delegate to the University Council*

Professor BURDICK (*Term expires* 1912).....*Elected Delegate to the University Council*

PURPOSES OF THE SCHOOL

The design of the School of Law is to afford a thorough, practical, and scientific education in the principles of: The common and statute law of the United States. The English and American system of equity jurisdiction. The public law of the United States and Europe. The Roman law—ancient and modern. Theoretical and comparative jurisprudence.

REQUIREMENTS FOR ADMISSION

All applicants for admission must present satisfactory evidence of good moral character.

Admission to the School of Law as a matriculated student will be upon one of the following three conditions:

(*a*) Graduation from an approved college or scientific school of collegiate rank.

(*b*) The successful completion of three years of undergraduate study in an approved college or scientific school, which course of study must have included satisfactory courses in Economics and in English and American History.

[1] Absent on leave 1911–12.

(*c*) In lieu of either of the above, the presentation of satisfactory evidence of preliminary training obtained in higher institutions of learning, in this country or abroad, equivalent to that prescribed in either of the foregoing paragraphs (*a*) or (*b*).

To Advanced Standing

Students complying with the above requirements for admission to the School, who have, in addition, successfully pursued the study of law for at least a year in an approved law school, may, on giving satisfactory evidence of proficiency in the studies of the first year, be admitted to advanced standing as members of the second-year class.

No one will be admitted to advanced standing beyond the second year except by special vote of the Faculty.

The examinations for advanced standing cover all the work previously done by the class to which admission is sought, and are held at the end of the academic year and during the week preceding the opening of the fall term. Examinations may be dispensed with and credit given on certificate for courses satisfactorily completed in an approved law school in cases where such courses are deemed by the Faculty equivalent to the corresponding courses given in this School.

Duly qualified persons not candidates for the degree of LL.B. may be admitted as non-matriculated students on presenting such evidence as the Faculty may require of their exceptional fitness to undertake with advantage the study of law. Applicants should have at least three years of College or Law School work to their credit and must be at least twenty-one years of age.

Non-matriculated students who have been members of the School for at least two years may become eligible for the degree if they shall have attained an average of B in all the work prescribed therefor.

PROGRAM OF STUDIES

First Year

CONTRACTS—Keener's Cases on Contracts. 4 hours. Professor TERRY

CRIMINAL LAW—Beale's Cases on Criminal Law. 3 hours, first half-year. Professor STONE

AMERICAN CONSTITUTIONAL LAW, I—Guthrie's Cases on Constitutional Law; Thayer's Cases on Constitutional Law; McClain's Cases on Constitutional Law (2d ed.). 1 hour, first half-year. Professor GUTHRIE

ELEMENTS OF LAW—Lectures and Selected Readings. 3 hours, first half-year. Professor MUNROE SMITH

PLEADING AND PRACTICE—Ames's Cases on Common Law Pleading; Perry on Common Law Pleading. 3 hours, second half-year. Professor REDFIELD

REAL AND PERSONAL PROPERTY—Kirchwey's Readings in Real Property; Gray's Cases on Property, vol. I (2d ed.). 4 hours, second half-year. Professor KIRCHWEY

TORTS—Burdick's Cases on Torts (3d ed.); Burdick on Torts. 2 hours. Professor BURDICK

Second Year

*ADMIRALTY—Ames's Cases on Admiralty. 2 hours, first half-year. Mr. DORR

AGENCY—Wambaugh's Cases on Agency. 3 hours, first half-year. Mr. REYNOLDS

CARRIERS—Beale and Wyman's Cases on Public Service Companies. 3 hours, second half-year. Mr. REYNOLDS

*BANKRUPTCY AND INSOLVENCY—Williston's Cases on Bankruptcy. 2 hours, first half-year. Professor KIRCHWEY

DOMESTIC RELATIONS—Woodruff's Cases on Domestic Relations. 2 hours, first half-year. Professor ABBOTT

EQUITY—Ames's Cases on Equity, vols, I and II. 3 hours, first half-year. Professor ABBOTT

†INSURANCE—Wambaugh's Cases on Insurance. 2 hours, first half-year. Mr. DORR

NEGOTIABLE PAPER—Ames's Cases on Bills and Notes. 3 hours, second half-year. Professor BURDICK

PLEADING AND PRACTICE—Redfield's Cases on Code Pleading and Practice; Thompson's Cases on Equity Pleading and Practice; New York Code of Civil Procedure. 4 hours, second half-year. Professor REDFIELD

QUASI-CONTRACTS—Case book to be announced. 3 hours, second half-year. Professor ABBOTT

REAL AND PERSONAL PROPERTY—Gray's Cases on Property, vols. II (2d ed.) and III (2d ed.). 4 hours, second half-year. Professor KIRCHWEY

SALES OF PERSONAL PROPERTY—Burdick's Cases on Sales (2d ed.). Burdick on Sales (2d ed.). 2 hours. Professor BURDICK

TRUSTS—Ames's Cases on Trusts. 3 hours, second half-year. Professor STONE

AMERICAN CONSTITUTIONAL LAW, II—McClain's Cases on Constitutional Law (2d ed.). 2 hours. Professor GOODNOW

INSTITUTES OF ROMAN LAW—3 hours, first half-year. Professor MUNROE SMITH

* Omitted in 1912–13. † Omitted in 1911–12.

Third Year

CORPORATIONS—Keener's Cases on Corporations. 2 hours. Professor CANFIELD

EQUITY—Ames's Cases on Equity, vols. I and II. 3 hours, first half-year. Professor STONE

EVIDENCE—Thayer's Cases on Evidence (2d ed.). 4 hours, first half-year. Professor KIRCHWEY

TRIAL EVIDENCE—1 hour, second half-year. Mr. DORR

MORTGAGES—KIRCHWEY's Cases on Mortgages. 3 hours, second half-year. Professor STONE

PARTNERSHIP—Burdick's Cases on Partnership; Burdick on Partnership (2d ed.). 3 hours, first half-year. Professor BURDICK

PLEADING AND PRACTICE—Redfield's Cases on Code Pleading and Practice; New York Code of Civil Procedure. 3 hours, first half-year. Professor REDFIELD

REAL AND PERSONAL PROPERTY—Gray's Cases on Property, vols. V and VI. 2 hours. Professor ABBOTT

SURETYSHIP—Ames's Cases on Suretyship. 2 hours, second half-year. Professor ABBOTT

TRUSTS AND PERPETUITIES—Under the Revised Statutes of New York. 2 hours, second half-year. Professor CANFIELD

WILLS AND ADMINISTRATION—Gray's Cases on Property, vol. IV (2d ed.). 3 hours, second half-year. Professor REDFIELD

CONFLICT OF LAWS—Beale's Cases on the Conflict of Laws. 1 hour. Professor MOORE

HISTORY OF EUROPEAN LAW—3 hours, second half-year. Professor MUNROE SMITH

INTERNATIONAL LAW—Moore's Digest of International Law. 2 hours. Professor MOORE

MODERN CIVIL LAW—3 hours, second half-year. Professor MUNROE SMITH

MUNICIPAL CORPORATIONS—Abbott's Cases on Public Corporations; Smith's Cases on Municipal Corporations. 2 hours, second half-year. Professor GOODNOW

LAW OF OFFICERS—Goodnow's Cases on the Law of Officers. 2 hours, first half-year.

LAW OF TAXATION—Goodnow's Cases on Taxation. 2 hours, first half-year. Mr. POWELL

THE CURRICULUM

Degree of Bachelor of Laws

The required work for the degree of Bachelor of Laws consists of 74 points, and covers a period of three years. Each point represents the satisfactory completion of work requiring attendance one hour a week for one half-year. No student may take less than twelve nor more than fourteen points in any half-year without the consent of the Dean.

The work of the first year is prescribed. All the courses of the second and third years are elective. Courses not taken in the second year may be elected as a part of the work of the following year, but third-year courses will not in general be open to second-year students. A few courses are given only in alternate years; these may be taken both by second- and third-year students.

Registration is limited to courses taken for a degree, and students will be held responsible for the satisfactory completion of all courses for which they are registered.

The work selected by a law student is subject in every case to the approval of the Dean.

Examinations

Written examinations are held at the end of each academic year on the subjects of that year, and on the subjects of the first and second years, during the week preceding the opening of the academic year.

All students, whether matriculated or non-matriculated, must, unless excused by the Dean, present themselves for examination in all the subjects for which they are registered at the first examination held therein, and, in case of excuse from any examination, must take the next examination offered in such subject. Students are not permitted to take examinations in courses for which they are not regularly registered.

At all stated examinations the standing of students will be indicated by the letters A, B, C, D, and F, representing *Excellent*, *Good*, *Fair*, *Poor*, and *Failure*, respectively. These grades will be part of the record of the students in the office of the Registrar and will be reported to them as soon as possible after each examination.

No student is admitted to the second-year class who is deficient in more than four hours of the work of the first year. No student will be admitted to the third-year class who is deficient in any subject of the first year or in more than one full course or in more than two half-year courses of the second year.

No student failing in any subject will be permitted to take a second examination therein without having again taken the course in which such failure occurred, nor will any student failing a second time in any

subject be allowed to continue in the School except by special vote of the Faculty.

No special examinations are given.

Not more than one full course nor more than two half-year courses in which the student receives a mark of *D* may be counted toward a degree in any one year.

No student failing in any subject on the final examination of his class will be admitted to the degree unless within two years of such failure he presents himself for re-examination and receives a mark of C, at least, therein.

Scholarships and Prizes

(See page 432)

Fees

(See page 43)

Law Library

The law library has been greatly extended and improved, and now consists of upwards of 40,000 volumes which have been carefully selected to meet the wants of students. It is especially rich in American, English, and British Colonial reports. In addition extensive collections of works relating to international, public, and Roman law are shelved in close proximity to the books on private law.

REGISTER OF STUDENTS

School of Law

THIRD YEAR—CLASS OF 1912

ALEXANDER, ARTHUR DOUGLAS, A.B. 1909 ..... New York City
ANDREWS, PAUL SHIPMAN, A.B. Yale 1909 ..... Syracuse, N. Y.
BAGNELL, ROBERT HAROLD, A.B. 1908 ..... New York City
BERINSTEIN, BENJAMIN, A.B. 1910 ..... New York City
BICKEL, PAUL JARED, A.B. Franklin and Marshall 1907 ..... Sinking Spring, Pa.
BIEBER, PAUL DAVID, B.S. 1910 ..... New York City
BIGELOW, MASON HUNTINGTON, A.B. Amherst 1909 ..... Utica, N. Y.
BISSELL, PELHAM ST. GEORGE, JR., A.B. 1909, A.M. 1910 ..... New York City
BLUM, ISIDOR, A.B. Johns Hopkins 1909 ..... Baltimore, Md.
BRENNER, MORTIMER, A.B. 1910 ..... New York City
BRISTOL, ARTHUR E., A.B. Amherst 1909 ..... New York City
BUTTS, JAMES EARLE, A.B. Hobart 1908 ..... Geneva, N. Y.
BYOIR, CARL ROBERT, A.B. Iowa 1910 ..... Des Moines, Iowa
CAHILL, ROY ROBERT, B.S. Whitman 1909 ..... Dayton, Wash.
CARLTON, DOYLE ELAM, A.B. Chicago 1909 ..... Wauchula, Fla.
CASTELL, GEORGE OLIVER, A.B. 1910 ..... New York City
CELLER, EMANUEL, A.B. 1910 ..... New York City
CIVIC, MAXWELL, B.S. C. C. N. Y. 1909 ..... New York City
CODY, THOMAS HUGHES, A.B. Southwestern 1909 ..... Georgetown, Texas
COHEN, GEORGE LIONEL, A.B. C. C. N. Y. 1909 ..... New York City
COHEN, JOSEPH GEORGE, B.S. C. C. N. Y. 1909 ..... New York City
COULSON, ROBERT EARL, A.B. Cornell 1909 ..... Buffalo, N. Y.
CRIADO, ROGER F., A.B. 1909 ..... New York City
CUNNINGHAM, FRANK LOUGHRAM, A.B. Princeton 1909 ..... New York City
DAVIDOW, LEONARD HAROLD, B.S. 1910, A.M. 1911 ..... New York City
DELAVINA, FRED VALENTINE, A.B. Bowdoin 1908 ..... Portland, Me.
DE LUCA, GEORGE B., B.S. C. C. N. Y. 1909 ..... New York City
DERBY, JAMES LLOYD, A.B. Harvard 1908 ..... New York City
DOWLING, NOEL THOMAS, A.B. Vanderbilt 1909 ..... Ozark, Ala.
DUPIE, WILLIAM KENT, JR., A.B. Ohio State 1910 ..... Portsmouth, Ohio
DURKIN, EDMUND LAWRENCE ..... Spokane, Wash.
ELLIOTT, DONALD F., A.B. De Pauw 1909 ..... Kokomo, Ind.
ELSASSER, FREDERICK R., A.B. 1910 ..... New York City
EMERSON, HAROLD BROWN, Ph.B. Wooster 1908 ..... Bellefontaine, Ohio
EPSTEIN, ALBERT, A.B. 1910 ..... New York City
EPSTEIN, MAURICE, A.B. 1908 ..... New York City
FIELD, HENRY CROMWELL, A.B. Swarthmore 1909 ..... New York City
FISK, BRENTON KERN, A.B. Kingfisher 1907 ..... Kingfisher, Okla.
FLOUTON, ALLEN BROWN, A.B. Syracuse 1909 ..... Troy, N. Y.
GAMBLE, RALPH ABERNETHY, Litt.B. Princeton 1909 ..... Larchmont, N Y.
GARCIA, FRANCIS J., A.B. St. John's 1909 ..... New York City
GEORGE, NATHAN FLOWER, A.B. Yale 1910 ..... Danbury, Conn.
GIBSON, LEON WELLS, A.B. 1911 ..... New York City
GLOVER, DAWSON COLEMAN, A.B. Harvard 1909 ..... Fairfield, Conn.

GOODMAN, SYDNEY L., A.B. 1910 ..... New York City
GOODNOW, DAVID FRANKLIN, A.B. Amherst 1909 ..... New York City
GOODWIN, EDWARD NUTE, A.B. Amherst 1909 ..... New York City
GORDON, GEORGE ANDERSON, A.B. Harvard 1906 ..... New Bedford, Mass.
GORDON, IRVING, A.B. C. C. N. Y. 1909 ..... New York City
GREENBAUM, LAWRENCE SAMUEL, A.B. Williams 1909 ..... New York City
HANAGAN, THOMAS P., A.B. Cornell 1910 ..... Poughkeepsie, N. Y.
HARTSHORNE, RICHARD, Litt.B. Princeton 1909 ..... Newark, N. J.
HARTZELL, WILLIAM H., JR., A.B. Lafayette 1909 ..... Easton, Pa.
HEWITT, JOHN VANCE, A.B. Missouri 1905 ..... Shelbyville, Mo.
HOWENSTEIN, WILBUR MORTON, A.B. Oberlin 1909 ..... Oklahoma City, Okla.
JOHNSON, TOM CHAMBLES, JR., A.B. Southwestern 1907 ..... San Marcos, Texas
KAIN, WILLIAM FREDERICK, Litt.B. Princeton 1908 ..... Dallas, Texas
KAUFMAN, ELIAS RAAS, A.B. Vanderbilt 1909 ..... Lake Charles, La.
KELLOGG, WINTHROP HUNTINGTON, A.B. Hamilton 1908 ..... Lakeville, N. Y.
KESSLER, GEORGE W., A.B. Pennsylvania 1908 ..... Sac City, Iowa
KIRSTING, DAVID A., A.B. St. Marys 1905 ..... New York City
KLEIN, LEONARD, A.B. 1910 ..... New York City
LESSER, MYRON LAWRENCE, B.S. 1910 ..... New York City
LEVE, JULIAN ARTHUR, B.S. C. C. N. Y. 1909 ..... New York City
LÜHRS, IMMANUEL, A.B. 1909 ..... Jersey City, N. J.
LYNDE, GEORGE PLEASANTS, A.B. Williams 1908 ..... New York City
MCLAIN, HAROLD ORLANDO, A.B. Michigan 1910 ..... Chicago, Ill.
MAHON, ROBERT VINCENT, A.B. 1910 ..... New York City
MEDINA, HAROLD RAYMOND, A.B. Princeton 1909 ..... New York City
MERRELL, CLARENCE FUSON, A.B. Wabash 1909 ..... Crawfordsville, Ind.
MICHAEL, JEROME, A.B. Georgia 1909 ..... Athens, Ga.
MOSES, EUGENE FREDERIC, A.B. 1910 ..... New York City
NORRIS, FRANCIS ELY, A.B. Yale 1908 ..... Boonton, N. J.
NOURSE, CHARLES JOSEPH, A.B. Harvard 1909 ..... New York City
OGDEN, ALFRED, A.B. 1909 ..... New York City
OSTERHOUT, EDGAR HOWARD, A.B. 1910 ..... Freeport, N. Y.
PERKINS, EDWARD N. ..... Windsor, Vt.
PIERREPONT, RUTHERFURD STUYVESANT, A.B. 1905 ..... New York City
POLLACK, EDGAR ALLEN, A.B. C.C. N. Y. 1909 ..... New York City
PRESTON, EUGENE DUMONT, A.B. Denver 1910 ..... Colorado Springs, Colo.
PRICE, DORR CLENDENIN, A.B. Cornell 1909 ..... Batavia, N. Y.
RAYNOR, FRANCIS KETCHUM, A.B. Cornell 1907 ..... Sag Harbor, N. Y.
ROBINSON, LOUIS HARRY, A.B. 1910 ..... Curwinsville, Pa.
ROCKWOOD, N. OTIS, A.B. 1911 ..... Montclair, N. J.
SANBORN, JOHN CARFIELD, A.B. Oberlin 1908 ..... Bliss, Idaho
SCHOLLE, HOWARD ABRAHAM, A.B. Williams 1906 ..... New York City
SCHUR, ROBERT P., A.B. 1910 ..... New York City
SCOTT, ANDREW HORACE, Litt.B. Princeton 1908 ..... Little Rock, Ark.
SMITH, YOUNG BERRYMAN, B.S. Georgia 1909 ..... Atlanta, Ga.
STERRIT, JAMES E., A.B. 1910 ..... Ossining, N Y.
STEWART, EARL, A.B. Iowa 1910 ..... Grimes, Iowa
STOCKTON, SANFORD DELWIN, JR., A.B. Yale 1909 ..... Poughkeepsie, N. Y.
STORY, HAROLD VAN VREDENBURGH, A.B. 1910 ..... New York City
STUMBERG, GEORGE WILFRED, A.B. Louisiana State 1909 ..... Baton Rouge, La.
TANNENBAUM, SAMUEL WILLIAM, A.B. 1910 ..... New York City
THOMPSON, RAYMOND C., B.S. C. C. N. Y. 1909 ..... New York City
THORNTON, THOMAS FRANCIS, A.B. 1910 ..... New York City
TROUTFELT, EDGAR M., Ph.B. Lafayette 1909 ..... Easton, Pa.
VON GLAHN, JOHN CHRISTOPHER, A.B. Cornell 1910 ..... New York City
WALTER, HOWLAND OTTMANN, A.B. Cornell 1910 ..... New York City

WARNER, HAROLD L., A.B. Amherst 1910 ..... New York City
WARNER, JOHN BIRCHARD, A.B. Amherst 1910 ..... New York City
WASHBURN, FRANK BRISSENDEN, A.B. Harvard 1909 ..... New York City
WERNER, PAUL CHARLES, A.B. 1910 ..... New York City
WHITAKER, KARL ERROLL, B.S. Vanderbilt 1909 ..... Tampa, Fla.
WILLIAMS, PAUL, A.B. Cornell 1910 ..... Salt Lake City, Utah
WILSON, HARRY NATHANIEL, A.B. Cornell 1910 ..... Dansville, N. Y.
WOLBARST, ELI S., B.S. 1910 ..... New York City
ZIPRES, VIRGINIUS VICTOR, B.S. 1910 ..... New York City
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SECOND YEAR—CLASS OF 1913

ACHESON, ALBERT ATWOOD, B.L. California 1911 ..... Berkeley, Calif.
ALLEN, WINFRED COLWELL, A.B. C. C. N. Y. 1910 ..... Mt. Vernon, N. Y.
ALVINO, JOHN FRANCIS, A.B. C. C. N. Y. 1910 ..... New York City
AXMAN, LAURENCE H., A.B. 1911 ..... New York City
BAKER, CHARLES SILAS, A.B. Cornell 1911 ..... Washington, D. C.
BANGS, FRANCIS NATHAN, A.B. 1910 ..... New York City
BARBER, THOMAS HUNT, A.B. Harvard 1910 ..... Southampton, N. Y.
BEHR, NORMAN MAX, A.B. Indiana 1911 ..... Noblesville, Ind.
BENDER, SIDNEY, A.B. 1911 ..... New York City
BERLINER, EPHRAIM, A.B. C. C. N. Y. 1910 ..... New York City
BLABER, JOSEPH THOMAS, A.B. 1911 ..... New York City
BRANDT, ROBERT CARL, A.B. 1911 ..... New York City
BRODSKY, HYMAN, A.B. Harvard 1910 ..... Bayonne, N. J.
BROWN, HAROLD STUART, B.S. Amherst 1908 ..... Belmont, N. Y.
BUTLER, LYMAN COLLINS, A.B. Princeton 1910 ..... New York City
CALHOUN, HAROLD GILMORE, A.B. Tarkio 1906 ..... Summerfield, Kan.
CARLIN, J. FRANCIS, A.B. Georgetown 1910 ..... New York City
CARR, EDWARD QUINTIN, A.B. Georgetown 1910 ..... New York City
CARUSO, CARMINE WILLIAM, A.B. 1911 ..... Newark, N. J.
COAD, RALPH GEORGE, A.B. Nebraska 1911 ..... Omaha, Neb.
COLVER, FREDERIC BEECHER, A.B. Princeton 1910 ..... Tenafly, N. J.
COMPTON, GEORGE BROKAW, A.B. 1909 ..... Interlaken, N. Y.
CONROY, JAMES GARDINER, A.B. Holy Cross 1910 ..... New York City
CORNELIUS, CHARLES L., A.B. Vanderbilt 1910 ..... Nashville, Tenn.
CRATER, JOSEPH FORCE, A.B. Lafayette 1910 ..... Easton, Pa.
CRISPELL, REUBEN BERNARD, A.B. Yale 1910 ..... Kingston, N. Y.
DAVENPORT, HARRY THOMPSON, B.L. Whitman 1908 ..... Colfax, Wash.
DAVID, WALTER F., A.B. William Jewell 1910 ..... Maryville, Mo.
DAWKINS, SPENCER MORGAN, A.B. Wofford 1903 ..... Spartanburg, S. C.
DEGROOT, MITCHELL B., A.B. Amherst 1910 ..... Troy, N. Y.
DESILVER, ALBERT, A.B. Yale 1910 ..... New York City
DUGGAN, JAMES EDWARD, A.B. Spring Hill 1910 ..... Mobile, Ala.
EICHMANN, MEYER, A.B. 1911 ..... West Hoboken, N. J.
ELY, DAVID JAY, A.B. Yale 1910 ..... New York City
ERSKINE, ROBERT SCARBOROUGH, A.B. 1910 ..... New York City
FALLON, PERLIE, A.B. Clark 1910 ..... Groton, Mass.
FARKAS, LEONARD, B.S. Georgia 1910 ..... Albany, Ga.
FARNSWORTH, JAMES A., A.B. Cornell 1911 ..... Muscatine, Iowa
FARR, HENRY BARTOW, A.B. Princeton 1910 ..... New York City
FARR, WILLIAM M., A.B. William Jewell 1909 ..... Carrollton, Mo.
FELBEL, FRANK JULIUS, A.B. 1911 ..... New York City
FERGUSON, FRANKLIN POMEROY, A.B. Harvard 1910 ..... Jamaica, N. Y.
FERREIRA, AVELINO VINCENTE, A.B. 1911 ..... New York City

FINDLEY, EVERETT THORNTON, A.B. Princeton 1910 ..... Newark, N. J.
FONDILLER, RICHARD, B.S. C. C. N. Y. 1903 ..... New York City
FRANK, MAX, A.B. 1911 ..... New York City
FRASER, LEON, A.B. 1910 ..... New York City
FRERICHS, ERNEST VIVIAN, A.B. 1910 ..... New York City
FRITTS, FRANK, A.B. Princeton 1910 ..... Chester, N. Y.
GARRARD, WILLIAM, JR., B.S. Georgia 1910 ..... Savannah, Ga.
GEORGE, ROLAND JONES, A.B. Allegheny 1910 ..... Saegertown, Pa.
GIBBS, WILLIAM FRANCIS, A.B. Harvard 1910 ..... Haverford, Pa.
GLUCK, EDWIN LAWRENCE, A.B. 1911 ..... New York City
GORE, ARTHUR DERWOOD, A.B. Wake Forest 1911 ..... Clarendon, N. C.
GRAFF, JOSEPH RAE, A.B. Dartmouth 1909 ..... Peoria, Ill.
GREENBAUM, EDWARD SAMUEL, A.B. Williams 1910 ..... New York City
GREENEBAUM, MILTON, B.S. 1911 ..... New York City
GRILL, ABRAHAM MAURICE, A.B. 1911 ..... New York City
HABER, ISADOR, A.B. 1911 ..... West Hoboken, N. J.
HALL, SHERWOOD ESTABROOK, A.M. 1911 ..... Brandon, Vt.
HARTIGAN, JOHN PATRICK, A.B. Brown 1910 ..... Providence, R. I.
HEALY, CHARLES EDWARD, A.B. St. Francis Xavier 1910 ..... New York City
HERBERMANN, HENRY FREDERICK, A.B. St. Francis Xavier 1910 ..... New York City
HILL, DUDLEIGH, A.B. 1910 ..... New York City
HOBART, CHARLES EDWIN, A.B. Beloit 1909 ..... Roscoe, Ill.
HOLDEN, HARRY D., A.B. Amherst 1910 ..... Mamaroneck, N. Y.
HUSER, THOMAS E., Ph.B. Hamline 1910 ..... Cumberland, Wis.
JEFFERSON, CHARLES FREDERIC, A.B. Yale 1910 ..... New York City
JERVEY, HUGER WILKINSON, A.M. Univ. of South 1900 ..... Charleston, S. C.
KAHN ALBERT FELIX, Ph.B. Lafayette 1910 ..... Easton, Pa.
KEIM, JOHN HOWARD, A.B. Amherst 1910 ..... New York City
KELLOGG, WILLIAM RAYMOND, A.B. Amherst 1910 ..... Katonah, N. Y.
KIENDL, THEODORE, JR., A.B. 1910 ..... New York City
KING, LEROY, A.B. Harvard 1906 ..... Newport, R. I.
KLUGESCHEID, RICHARD CHARLES, A.B. 1911 ..... New York City
KNIGHT, FREDERICK S., A.B. Amherst 1910 ..... New York City
KOENIG, LEO, A.B. 1911 ..... New York City
KORN, SAMUEL SEYMOUR, A.B. 1911 ..... New York City
LEVINE, SAMUEL, A.B. Tulane 1911 ..... Bonham, Texas
LEVY, L. M., A.B. 1911 ..... New York City
LLOYD, GARDNER PLEASANTS, A.B. Princeton 1910 ..... Red Bank, N. J.
LOWRIE, JOHN MARSHALL, A.B. Knox 1908 ..... Galesburg, Ill.
MCADOO, FRANCIS HUGER, A.B. Princeton 1910 ..... Irvington, N. Y.
MCCARTHY, WILSON ..... Raymond, Alberta, Can.
MCENTEGART, THOMAS EMMET, A.B. Manhattan 1910 ..... New York City
MCMAHON, DANIEL FRANCIS, B.S. Manhattan 1909 ..... New York City
MCMANUS, JAMES P., LL.B. N. Y. Univ. 1909 ..... New York City
MCVICKER, HUGH BREWSTER, A.B. Michigan 1910 ..... Lisbon, Ohio
MARCHMONT, JOHN HAMILTON, A.B. 1910 ..... Alma, Mich.
MARCUS, BERNARD KENT, A.B. 1911 ..... New York City
MEI, HUA-CHUEN, B.S. 1911 ..... Sunning, China
MORRISON, STUART F. B., A.B. Amherst 1910 ..... Red Hook, N. Y.
MULQUEEN, JOSEPH FRANCIS, A.B. St. Francis Xavier 1910 ..... New York City
MYERS, DANIEL HERMAN, A.B. Yale 1910 ..... Albany, N. Y.
NOBLE, RANSOM, A.B. 1910 ..... New York City
NORTON, DELBERT AUSTIN, A.B. Arkansas 1909 ..... Portland, Ore.
OSBORNE, EARL WILLIAM, A.B. 1911 ..... New York City
PASCARELLA, FRANK, A.B. 1911 ..... Emerson, N. J.
PATON, THOMAS BUGARD, JR., A.B. 1911 ..... New York City

PERRY, THOMAS ASBERRY, JR., B.S. Georgia 1907.....Altanta, Ga.
RAMSDELL, C. HOMER, A.B. Columbia 1910.....New York City
RICHARDSON, WILLIAM EMANUEL, A.B. Princeton 1910.....Bernville, Pa.
ROBINSON, HAMILTON WHITNEY, Litt. B. Princeton 1909.....Yonkers, N. Y.
RUBINO, GABRIEL, A.B. 1911.....New York City
RUCH, CLINTON JOSEPH, A.B. Lafayette 1908.....Hellertown, Pa.
RYAN, JOHN POWER, A.B. Williams 1910.....Troy, N. Y.
SCHEEL, GEORGE GOTTGEN, A.B. Harvard 1909.....New York City
SCHMIDT, ARNOLD M., A.B. 1911.....New York City
SEIPP, HENRY G., A.B. Cornell 1911.....New York City
SEYMOUR, RAYMOND B., A.B. Dartmouth 1910.....New York City
SHALEK, BERNARD AAL., B.S. C. C. N. Y. 1910.....New York City
SHEPHERD, BENJAMIN ARMISTEAD, A.B. Virginia 1909.....Palmyra, Va.
SHILAND, ANDREW ROMAINE, A.B. Williams 1910.....New York City
SILVERMAN, ABRAM, A.B. Harvard 1910.....New York City
SKERRITT, HARRY HUSE, Ph.B. Syracuse 1911.....Syracuse, N. Y.
SMITH, HENRY MONTAGUE, JR., A.B. Yale 1910.....Morristown, N. J.
SMITH, LISLE ARCHIBALD, A.B. Oberlin 1909.....Oberlin, Ohio
SMITH, RAY PATTON, Ph.B. Dickinson 1911.....Carlisle, Pa.
SPRINGER, MILTON P., B.S. 1911.....New York City
STRYKER, LAURENCE CLARKSON, A.B. Princeton 1910.....New York City
TAYLOR, MARTIN, A.B. Trinity 1908.....New York City
TONNELÉ, THEODORE MILLS, A.B. Princeton 1910.....New York City
TOWNSEND, DALLAS SELWYN, A.B. 1910.....Raeford, N. C.
TURCK, CHARLES JOSEPH, A.B. Tulane 1911.....New York City
TURK, ELKAN, A.B. Illinois 1910.....Litchfield, Ill.
VAN ALSTYNE, W. THOMAS, Ph.B. Yale 1910.....New York City
VANDERBILT, ARTHUR T., A.B. Wesleyan 1910.....Newark, N. J.
VAN FOSSAN, ERNEST H., A.B. 1911.....Lisbon, Ohio
VENESS, THADDEUS WELLINGTON, A.B. Oberlin 1906.....Albert Lea, Minn.
WALSH, ST. CLAIR, A.B. C. C. N. Y. 1910.....New York City
WARD, WILBERT, JR., A.B. DePauw 1910.....South Bend, Ind.
WEBBER, WILLIAM THOMAS, A.B. 1911.....New York City
VON WEDELL, HANS ADAM, A.B. Gymnasium Ger. 1902.....New York City
WEEKS, RICHARD F., A.B. Princeton 1910.....New York City
WHEELER, IRWIN, B.S. 1911.....New Brunswick, N. J.
WILFERT, ERNEST WILLIAM, A.B. Cincinnati 1910.....Cincinnati, Ohio
WILSON, HOWARD CHARLES, A.B. Cornell.....Dansville, N. Y.
WOLFE. CHARLEMAGNE TOWER, Ph.B. Bucknell 1910.....Lewisburg, Pa.
WOLFF, HERBERT ALFRED, A.B. Dartmouth 1910.....New York City
WOLFSON, GEORGE MORRIS, A.B. Cornell 1911.....New York City
WOLLISON, IRA, A.B. C. C. N. Y. 1909.....New York City
WOOLEY, FREDERICK HEARNE, A.B. Harvard 1910.....New York City
WORTHINGTON, BOND VALENTINE THOMAS, A.B. Oxford 1910.....New York City
ZIPP, CLARENCE STOLL, B.S. Trinity 1911.....Hartford, Conn.
ZORN, FREDERICK, A.B. C. C. N. Y. 1910.....New York City

Second Year—Class of 1913.....145

FIRST YEAR—CLASS OF 1914

ALLEY, RAYFORD WARDLAW, A.B. Washington and Lee 1910.....Muskogee, Okla.
ANDERSON, FOREST MILTON, B.S. Fort Worth 1911.....Ft. Worth, Texas
ANGULO, CHARLES, A.B. Georgetown 1911.....Havana, Cuba
BAILEY, CLARENCE ALFRED, A.B. Denver 1911.....Denver, Colo.
BANKS, JAMES LENOX, JR., A.B. Yale 1911.....New York City
BARNUM, RAY FOSTER, A.B. 1910.....White Plains, N. Y.

BATTEY, LOUIS LE GARDE, A.B. Sacred Heart 1910 ..... Augusta, Ga.
BECKER, WILLIAM VOIGT, A.B. Rutgers 1911 ..... Newark, N. J.
BEER, THOMAS, A.B. Yale 1911 ..... Yonkers, N. Y.
BRIGHT, ARTHUR A., B.S. Pennsylvania Coll. 1909 ..... Harrisburg, Pa.
BROOKS, GEORGE BRUCE, A.B. Williams 1911 ..... New Rochelle, N. Y.
BROWN, HARRY H.. A.B. Georgetown 1911 ..... New York City
BRUEN, WILLIAM WALTER, B.L. Princeton 1911 ..... Madison, N. J.
BRUNS, THOMAS MALDRUP LOGAN ..... Howardsville, Va.
BUDNER, HAROLD SYDNEY, A.B. C. C. N. Y. 1911 ..... New York City
BURTON, LUCIUS WESLEY M., A.B. William Jewell 1909 ..... Strand, Okla.
CALHOUN, EARLE CLARK, A.B. Mercer 1911 ..... Eastman, Ga.
CALHOUN, ROY EMMETT, A.B. Mercer 1911 ..... Eastman, Ga.
CATACOUZINOS, JOHN, A.B. Metelin, Turkey 1903 ..... New York City
CHERRY, WILLIAM M., A.B. McGill 1911 ..... Toledo, Ohio
CLAIBORNE, ROBERT W., A.B. Virginia 1909 ..... Petersburg, Va.
CLARK, KENNETH FRANCIS, A.B. Dartmouth 1911 ..... New York City
CLARK, WILLIAM EVANS, A.B. Amherst 1910 ..... New York City
COATES, ARTHUR PIERCE, A.B. Yale 1910 ..... Upper Montclair, N. J.
COHEN, REUBEN SOLOMON ..... New York City
COHEN, SAMUEL MICHAEL, A.B. Yale 1910 ..... Hartford, Conn
CURTIS, MONROE, A.B. Western Reserve 1911 ..... Cleveland, Ohio
DALLALEY, CHARLES ..... New York City
DE FRIECE, FRANK W., A.B. Emery and Henry 1903 ..... Meadowview, Va.
DWIGHT, MAITLAND, A.B. Princeton 1911 ..... Convent Station, N. J.
ELDER, ROBERT DULL, A.B. Princeton 1911 ..... Leadville, Colo.
ESDALE, JAMES, E.M. Alabama Poly. 1907 ..... Birmingham, Ala.
EVANS, ARTHUR LEWIS, A.B. Hamilton 1911 ..... Remsen, N. Y.
EVANS, CHARLES S., A.B. Livingston 1904 ..... Yonkers, N. Y.
FALES, DECOURSEY, A.B. Harvard 1911 ..... New York City
FAY, MARTIN J., B.S. Fordham 1908 ..... Yonkers, N. Y.
FEE, JAMES ALGER, A.B. Whitman 1910 ..... Pendleton, Ore.
FIMMEN, EDWARD AUGUSTUS, Ph.B. Iowa, Wesleyan 1911 ..... Burlington, Ia.
FOULK, THOMAS BOND, B.S. West Virginia 1908 ..... Huntington, W. Va.
FROST, BENSON RALPH, A.B. Brown 1908 ..... Rhinebeck, N. Y.
FULLER, ERNEST MICHAEL ..... Freeport, N. Y.
GALVIN, WILLIAM AUSTIN, B.S. 1910 ..... New York City
GERSTEIN, SAMUEL RALPH, B.S. 1911 ..... New York City
GIANELLA, PERCY, M.E. Brooklyn Poly. 1910 ..... New York City
GIEGERICH, LEONARD A., JR., A.B. St. Francis Xavier 1910 Riverdale-on-Hudson, N. Y.
GOODHUE, FISHER, A.B. Yale 1911 ..... New York City
HALL, BARTOW HARWOOD, A.B. Amherst 1910 ..... Colorado Springs, Colo.
HALL, HENRY TWITCHELL, A.B. Williams 1911 ..... East Orange, N. J.
HEYDECKER, WAYNE DARLINGTON, A.B. 1911 ..... Mt. Vernon, N. Y.
HILL, JOHN WARREN, A.B. 1911 ..... New York City
HIRSCH, MORSE S., A.B. C. C. N. Y. 1911 ..... New York City
HOBBS, RICHARD JUNIUS MENDENHALL, A.B. Guilford 1909 ..... Guilford, N. C.
HOYT, CARL CARLYLE, A.B. Marietta 1911 ..... Marietta, Ohio
JEWELL, RALPH HERBERT, A.B. Yale 1911 ..... Washington, D. C.
JEWELL, THOMAS BROWNSON, JR., A.B. Oberlin 1910 ..... Washington, D. C.
JORDAN, DAVID LEO, A.B. Fordham 1904 ..... Yonkers, N. Y.
KEEN, EDWIN LE ROY, Ph.B. Dickinson 1907 ..... Wisconisco, Pa.
KENT, STEPHEN GIRARD, A.B. Williams 1911 ..... Summit, N. J.
KENYON, THEODORE STANWOOD, A.B. Harvard 1911 ..... New York City
KEOUGH, AUSTIN CAMPBELL, A.B. Dartmouth 1911 ..... New York City
LANDIS, WILLIAM B., Ph.B. Dickinson 1911 ..... Rock Glen, Pa.
LEVINSON, SAMUEL JOSHUA, A.B. 1911 ..... New York City

LEVY, MORRIS, A.B. C. C. N. Y. 1911 ..... New York City
LEWIS, READ, A.B. Wisconsin 1909 ..... Oak Park, Ill.
LINDLEY, ADELBERT, H., Ph.B. Alma 1911 ..... Lupton, Mich.
LIVINGSTON, ROBERT R., Litt. B. Princeton 1910 ..... Tivoli-on-Hudson, N. Y.
MANICE, WILLIAM DE FOREST, A.B. Yale 1911 ..... New York City
MARKS, ALEXANDER DRUMMOND, A.B. Yale 1911 ..... New York City
MASON, GREGORY, A.B. Williams 1911 ..... New York City
MATTESON, LEONARD JEROME, A.B. Colgate 1911 ..... Mt. Vernon, N. Y.
MEISEL, CHARLES J. W., A.B. 1911 ..... New York City
MERRITT, GEORGE HILLER, A.B. Oregon 1906 ..... Jacksonville, Ore.
MERRYMAN, ALFRED, A.B. C. C. N. Y. 1911 ..... New York City
MONOSMITH, GEORGE WALDO ..... Wellington, Ohio
MORRISON, ROBERT HENRY, A.B. Wabash 1911 ..... Frankfort, Ind.
MULLER, JOHN A., B.S. 1911 ..... New York City
MURPHY, JOHN JOSEPH, A.B. 1911 ..... Hartford, Conn.
PALLEY, DAVID MAURICE, A.B. Cornell 1910 ..... New York City
PALMER, ELWELL, Ph.B. Yale 1910 ..... New York City
PETTIT, GEORGE EMERSON, A.B. Yale 1911 ..... New York City
PHILSON, BENJAMIN, A.B. Gettysburg 1909 ..... Berlin, Pa.
PIERCE, W. L., JR. ..... Englewood, N. J.
POWELL, RICHARD R. B., A.B. Rochester 1911 ..... Rochester, N. Y.
RAPP, STEPHEN KAUFMAN, A.B. C. C. N. Y. 1911 ..... New York City
REICH, LORENZ, JR., A.B. C. C. N. Y. 1911 ..... New York City
REMSEN, WILLIAM, A.B. 1911 ..... New York City
REYNOLDS, HENRY, Ph.B. North Carolina 1900 ..... Wilkesboro, N. C.
RICE, MARVIN, A.B. 1908 ..... New York City
ROBBINS, FRANKLIN, A.B. Wesleyan 1911 ..... Detroit, Mich.
ROCHE, ERNEST SPENCER, A.B. 1911 ..... New York City
ROTHWELL, VINCENT H ..... New York City
RUBLE, JESSE J., A.B. Wisconsin 1911 ..... Platteville, Wis.
RYDER, ROBERT CHILD, A.B. Middlebury 1910 ..... Middlebury, Vt.
SAMUELS, SUMNER LAWRENCE, A.B. C. C. N. Y. 1911 ..... New York City
SHAND, JOSEPH WALTER, A.B. Florida 1911 ..... Gainesville, Fla.
SKIDMORE, LEMUEL, JR., A.B. Princeton 1911 ..... Summit, N. J.
SPRAGUE, MARTIN ..... Lima, Ohio
STEFFENSEN, KEARNEY K., A.B. Utah 1910 ..... Salt Lake City, Utah
STEINEMANN, ROBERT ..... New York City
STINSON, JOSEPH WHITLA, C.E. 1907 ..... New York City
SULLIVAN, RAYMOND EUGENE, A.B. Boston 1909 ..... Roxbury, Mass.
SWAIN, DAVID WHITON, A.B. Dartmouth 1911 ..... Nantucket, Mass.
SWAN, CLINTON COMBES, A.B. Williams 1911 ..... New York City
THIESING, THEODORE HEINRICH, A.B. Gymnasium Germany 1910 ..... New York City
THOMSON, CHARLES EDWARD ..... Scranton, Pa.
THORNE, CLEVELAND, Ph.B. Yale 1907 ..... Yonkers, N. Y.
TODD, RUSSELL WEBSTER, A.B. Princeton 1910 ..... New York City
TOUART, ANTHONY JOSEPH, A.B. Spring Hill 1909 ..... Mobile, Ala.
TROUTMAN, ROBERT BATTEY, A.B. Georgia 1911 ..... Atlanta, Ga.
TURNER, CYRUS CALHOUN, JR., A.B. Yale 1911 ..... New York City
UNGERER, HEIBY WETLING, A.B. Hobart 1911 ..... Lyons, N. Y.
VOORHEES, TRACY STEBBINS, A.B. Rutgers 1911 ..... New Brunswick, N. J.
VREDENBURGH, EUGENE HARRAMOND, A.B. Princeton 1911 ..... Freehold, N. J.
WASHBURN, W. MAYHEW, A.B. Harvard 1908 ..... New York City
WEAVER, ROBERT AUGUSTUS ..... Kenton, Ohio
WEIS, WALTER MOSES, A.B. 1911 ..... New York City
WENDT, EDMUND CHARLES, A.B. Harvard 1910 ..... New York City
WEST, JOHNSON EDWIN ..... Bellefontaine, Ohio

WHITE, CLARENCE R., Ph.B. Vermont 1911 ..... Burlington, Vt.
WILLARD, CHARLES BUNNELL, A.B. Hamilton 1911 ..... New York City
WILLINGHAM, JAMES C., A.B. Missouri Valley 1909 ..... Hobart, Okla.
WILSON, PAUL, A.B. Wabash 1911 ..... Glen Ridge, N. J.
WINANT, CLINTON DARLINGTON, Litt. B. Princeton 1911 ..... New York City
WOODHOUSE, CHARLES DOUGLAS, A.B. Williams 1910 ..... Burlington, Vt.
YEUNG, FONG, A.B. Richmond 1909 ..... Canton, China
YOUNG, RICHARD W., JR., A.B. Utah 1909 ..... Salt Lake City, Utah
First Year—Class of 1914 126

NON-MATRICULATED STUDENTS.

D'AUTREMONT, HERBERT HART, LL.B. Cornell 1911 ..... New York City
BAUMER, HERBERT PETER, B.B. 1911 ..... New York City
BERTRAM, WIFREDO, A.B. Barcelona 1909 ..... Humacao, P. R.
BOWERS, WILLIAM CRAM, 2D ..... New York City
BROCK, RAYMOND ELLIOTT ..... St. Louis, Mo.
CHILDS, CLARENCE CHESTER, Ph.B. Yale ..... Fremont, Ohio
CLARKE, HERBERT FANNING, A.B. Oregon 1909 ..... Portland, Ore.
EUBANKS, CLARENCE M., LL.B. Oregon 1911 ..... Portland, Ore.
GATLIFF, EDWARD MOSS, B.S. Michigan 1910 ..... Williamsburg, Ky.
GODDARD, HAROLD ..... Olympia, Wash.
GOLDBERGER, MORRIS LEOPOLD ..... Perth Amboy, N. J.
HAM, WILKIE CLAY ..... Caddoa, Colo.
VON HELMOLT, CARL, JR. ..... New York City
ISAAK, BERNHARD ..... New York City
JOHNSON, ARCHIBALD MCNEAL ..... San Francisco, Calif.
KING, WARREN THOMAS, LL.B. Arkansas 1910 ..... Little Rock, Ark.
LIBERMAN, JOEL B., B.S. C. C. N. Y. 1901 ..... New York City
LOUCHERY, CHARLES W., A.B. West Virginia 1911 ..... Clarksburg, W. Va.
MABY, ADELBERT CONWAY ..... Kittery, Me.
MORBIO, CARLO SUTRO, B.L. California 1910 ..... San Francisco, Calif.
PEEPLES, THORNWELL K ..... Savannah, Ga.
PHIPPS, FITCH LAURENCE, A.B. Whitworth 1908 ..... Portland, Ore.
RUBIN, MAXWELL, LL.B. St. Lawrence ..... New York City
SHATERIAN, WILLIAM SHADRACH ..... New York City
SHIPMAN, BERTRAM FRANCIS ..... Red Oak, Ia.
STALLCUP, EVAN SHELBY ..... Tacoma, Wash.
VAUGHAN, JAMES ANDREW, A.B. Elon 1908 ..... Franklin, Va.
WATKINS, ARTHUR V ..... Vernal, Utah
YATES, JAMES ATWOOD ..... Jacksonville, Fla.
ZIETLOW, CASSIUS FREDERICK ..... Middletown, N. Y.
Non-matriculated students 30

SUMMARY

Third Year—Class of 1912	109
Second Year—Class of 1913	145
First Year—Class of 1914	126
Non-matriculated students	30
	410
Seniors from Columbia College	43
Total	453

SCHOOL OF MEDICINE

COLLEGE OF PHYSICIANS AND SURGEONS

The Faculty

The President of the University.

Dean LAMBERT.

Professors BLAKE, BREWER, CRAGIN, EVANS, GIES, HISS, [1] HOLT, [1] HUNTINGTON, JAMES, JANEWAY, LEE, MACCALLUM, PAINTER, SCHULTE, STARR, WOOD.

Officers of the Faculty

Professor LAMBERT.....*Dean and ex-officio Member of the University Council*

Professor HUNTINGTON (Term expires 1913).....*Elected Delegate to the University Council*

Professor STARR (Term expires 1914).....*Elected Delegate to the University Council*

Professor GIES.....*Secretary*

Standing Committees

ON ADMINISTRATION: The Dean (Chairman), Professors CRAGIN, BLAKE, JANEWAY and MACCALLUM

ON ADMISSIONS: The Dean (Chairman), Professors WOOD and GIES

ON SCHOLARSHIPS: The Dean (Chairman), Professors PAINTER and SCHULTE

ON STUDENTS' LIBRARY: Professors HUNTINGTON (Chairman), BREWER, and EVANS

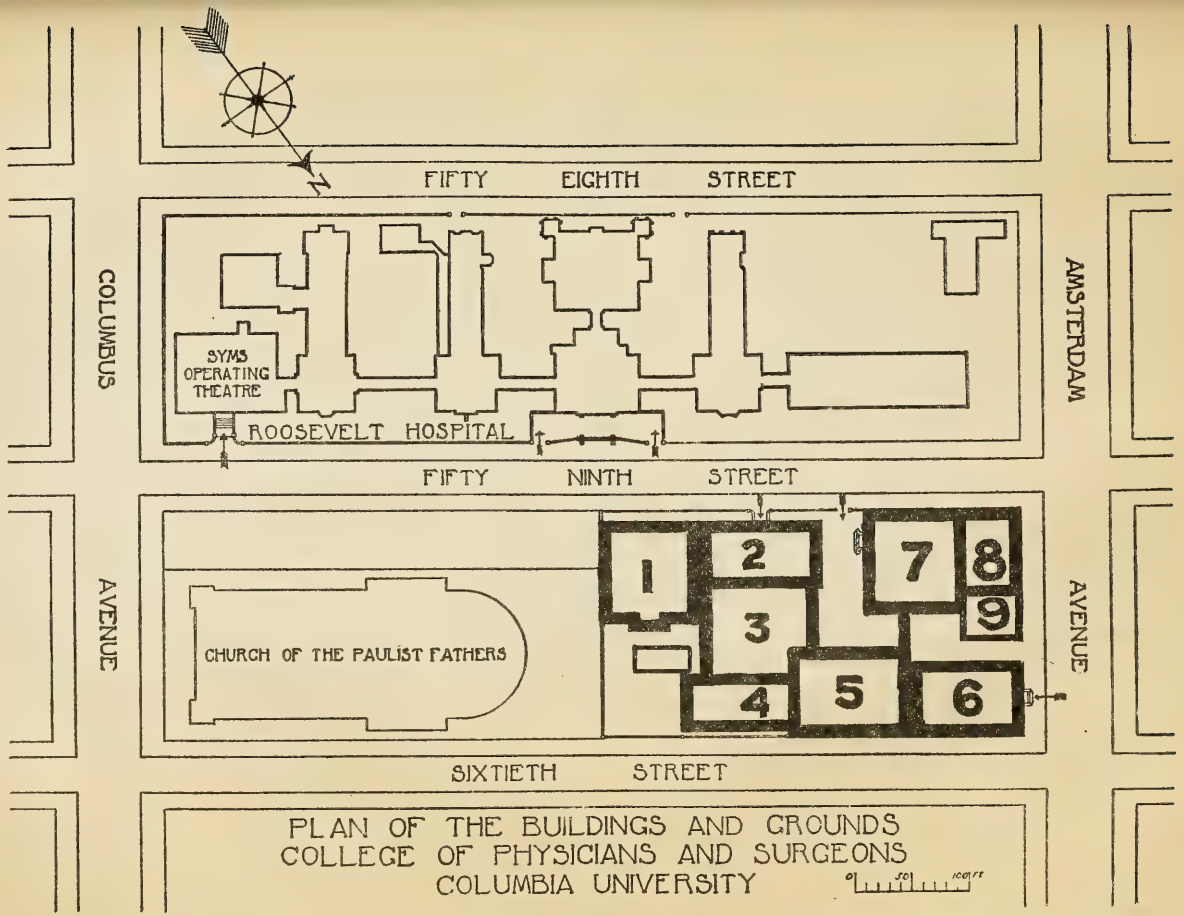
Emeritus Professors

(See page 7)

HISTORICAL STATEMENT

King's College—the original foundation of Columbia University—organized a Medical Faculty in 1767 and was the first institution in the North American Colonies to confer the degree of Doctor of Medicine in

[1] Absent on leave second half-year.



No. 1. Institute of Anatomy
No. 2. South Wing
No. 3. Middle Wing
No. 4. North Wing
No. 5. Vanderbilt Clinic East
No. 6. Vanderbilt Clinic West
No. 7. Sloane Maternity Hospital East
No. 8. Sloane Maternity Hospital West
No. 9. Gynecological Building

course. The first individuals to graduate in medicine from the College were Robert Tucker and Samuel Kissam, who received the degree of Bachelor of Medicine in May, 1769, and that of Doctor of Medicine in May, 1770, and May, 1771, respectively. Instruction in medicine was given from this time on until the work of the College was broken up by the War of the Revolution. In 1784 an act was passed making Columbia College in the City of New York the successor of King's College, and instruction was resumed in the academic department. Eight years later the Medical Faculty was re-established, and was continued until 1814, when the Medical Faculty of Columbia College was merged in the College of Physicians and Surgeons, which had received an independent charter in 1807. In 1860, by agreement between the Trustees of the two institutions, the College of Physicians and Surgeons became the medical department of Columbia College, and from that time on the diplomas of the graduates were signed by the President of Columbia College as well as by the President of the College of Physicians and Surgeons. The connection was only a nominal one, however, until 1891, when the College was definitely merged in the University.

Since 1769 the degree of Doctor of Medicine has been conferred by Columbia University on 7599 men, including many of the most eminent practitioners in the United States.

BUILDINGS, GROUNDS, AND EQUIPMENT

The College of Physicians and Surgeons was first situated at 18 Robinson Street, from 1807 to 1809. From 1809 to 1813 it was at 12 Magazine Street; from 1813 to 1837 at 3 Barclay Street; from 1837 to 1856 at 67 Crosby Street; and from 1856 to 1887 at 101 East Twenty-third Street. It now occupies a group of buildings given by the late William H. Vanderbilt, his sons Cornelius, William K., Frederick W., and George W. Vanderbilt, and by William D. Sloane, which stands upon thirty contiguous lots of land, bounded on the south, west, and north by Fifty-ninth Street, Amsterdam Avenue, and Sixtieth Street, respectively, and lying immediately opposite to the Roosevelt Hospital.

The Main Building

The College Building proper has been designed to facilitate the combination of theoretical instruction with laboratory work, which is essential to a modern scientific training. In this building, which has a floor space of 100,000 square feet, are the lecture halls, the recitation rooms, and the different laboratories, under the supervision of their respective professors, all thoroughly equipped for the routine work of the regular classes and for the special original and research work of

the advanced students, instructors, and professors of the several departments.

In this building are the administrative offices, the laboratories of Physiology, Anatomy, General and Physiological Chemistry, Surgery, Pharmacology and Pharmaceutics, Pathology and Clinical Pathology, the Morphological Museums and Laboratory, a dissecting room accommodating 400 students, and two large amphitheatres.

For a more detailed account of the equipment of each department, see the departmental statements.

Alliance with the Presbyterian Hospital

The question of a hospital affiliation for the Medical Department of Columbia University has been settled during the past winter of 1910–11. An alliance has been brought about by the mutual action of the two boards of trustees between the College of Physicians and Surgeons and the Presbyterian Hospital.

This alliance will permit the scientific and clinical direction by the University of the medical, surgical, and pathological services of the hospital. A clinical service in medicine and in surgery has been organized in the hospital and placed in the charge of the Professors of Medicine and of Surgery respectively. These services will contain about fifty beds each and will form an admirable beginning of a ward hospital service for the Departments of Medicine and of Surgery.

The Presbyterian Hospital contemplates the building of a new plant, in which the present arrangements will be far surpassed, both in scientific facilities and in the number of beds, and the rebuilding of the Medical School is also under consideration.

The exceptional advantages of bringing about such an alliance between the College and the Presbyterian Hospital cannot be overstated. The system of sending fourth-year students to the various hospitals as clinical clerks will be strengthened and made more effective in consequence of this alliance. The students will be sent to the other hospitals, which have admitted clinical clerks, as heretofore, but the wards of the Presbyterian Hospital, in so far as they have been designated for university purposes, will offer a more thorough opportunity for the study of bed patients. The future development on these lines will place the College of Physicians and Surgeons in the envious position where its clinical facilities will be commensurate with the excellent laboratory development which has taken place during the last ten years.

Vanderbilt Clinic

The Vanderbilt Clinic is a fully equipped dispensary for the sick poor. It also affords ample material for extended practical clinical

instruction in the various departments of Medicine and Surgery, as the professors, with their clinical assistants, have the entire charge of its practice.

The building is so arranged that each department has a room for the practical instruction of students in small sections, in addition to the rooms devoted to the treatment of patients; besides, there is a large theatre for clinical lectures and a smaller lecture hall.

All modern appliances for the treatment of diseases have been introduced, so that students can learn thoroughly the use of all methods in each of the special departments of medicine.

During the year 1910, 42,161 patients were treated, making 155,857 visits to the Clinic.

For detailed information as to the clinical lectures held here, see the departmental statements in this volume, or the *Announcement of the College of Physicians and Surgeons.*

Sloane Hospital for Women

THE SLOANE HOSPITAL FOR WOMEN is situated at the corner of Fifty-ninth Street and Amsterdam Avenue, and the service is under the exclusive direction of the Professor of Obstetrics in the College of Physicians and Surgeons, the Instructor in Obstetrics being the Resident Physician. The wards of the Hospital furnish one hundred and twenty-two obstetrical beds and twenty-eight gynecological beds. In addition there are forty private-room beds and ample accommodations for the house staff, students, and nurses.

The service of the hospital is under the exclusive direction of the Professor of Obstetrics and Gynecology in the College of Physicians and Surgeons, an Instructor in Obstetrics and an Instructor in Gynecology being Resident Officers. There are two large operating rooms, one for obstetrics and one for gynecology, each equipped with all modern appliances for dealing with these conditions, and here Professor Cragin holds weekly clinics throughout the year.

The number of deliveries during 1910 numbered 1810.

With the completion of the Gynecological Department of the Sloane Hospital, the operative material of the large gynecological service of the Vanderbilt Clinic is made available for teaching purposes, so that now students of the College of Physicians and Surgeons receive on the college grounds practical instruction, not only in normal and complicated obstetrics and the care of young babies, but in the treatment, operative and palliative, of all diseases of the female pelvic organs.

Clinics at the Hospitals

The College is strongly represented on the staffs of most of the general and special hospitals of New York. In them both required and

optional practical instruction is given by clinical lectures, in the dispensaries and at the bedside, all of which are prominent features of the curriculum. These hospitals are as follows: Roosevelt, Bellevue, New York, Presbyterian, St. Luke's, French, German, Mt. Sinai, City, Lincoln, General Memorial, Hospital for the Ruptured and Crippled, St. Mary's Free Hospital for Children, Willard Parker, Scarlet Fever and Reception, New York Eye and Ear Infirmary, Foundling, the Babies' Hospital, New York Ophthalmic and Aural Institute, the Manhattan Eye, Ear, and Throat Hospital, and the Woman's Hospital. For a detailed statement, see the *Announcement of the College of Physicians and Surgeons.*

Lectures

CARTWRIGHT LECTURES OF THE ALUMNI ASSOCIATION—According to the provisions of the Cartwright Trust there is biennially given, under the auspices of the Alumni Association, a course of lectures more especially addressed to graduates in medicine. This course was delivered in April, 1910, by Professor Adolf Magnus-Levy of the University of Berlin.

GENERAL PLAN OF INSTRUCTION

The prescribed period of study for the degree of Doctor of Medicine is four years. The requirements for admission are given elsewhere, but too much stress cannot be laid upon the desirability of a student fulfilling the spirit as well as the mere letter of those requirements. Physics, general inorganic chemistry, and biology are now required for admission, and the student of medicine will grasp the advanced subjects forming the groundwork of the course the more easily and with the better understanding just in proportion to the breadth and completeness of his preliminary education. The attention of students is particularly called to the regulations of Columbia College (see page 194) which permit a student to obtain a thorough preliminary training and at the same time to complete the requirements for the degree of A.B. or B.S. and the degree of M.D. in six years.

In the arrangement of the different branches of the medical instruction a logical order of the main themes and a co-ordination in the work of each department have been sought after, enabling the student to concentrate his attention upon some one subject and to be so familiar with it that the allied subjects next to be taken up shall be readily understood. The salient features in the method of instruction are thorough laboratory training, frequent demonstrations, clinical teaching in the operating theatres and at the bedside as well as in the dispensaries, with recitations and didactic lectures to elucidate the many problems confronting the student.

Records of attendance and scholarship are kept, and before a student may advance with his class he must, besides passing a good examination in a subject, present certificates of satisfactory practical work.

In the first half of the first year the time of the student is devoted largely to anatomy. The instruction is carried on mainly by numerous demonstrations to sections and by long periods of uninterrupted work in the dissecting room. In this part of the year pharmacy laboratory work is begun, organic and physical chemistry is dealt with and taught by didactic lectures, recitations, and laboratory exercises, and histology is begun. In the second half of the first year the study of physiology is begun, for which the students have been prepared by courses in anatomy. Physiology is taught by didactic lectures, demonstrations, recitations, and practical work in the laboratory. Physiological chemistry is studied in the laboratory and by lectures, recitations, and demonstrations. Anatomy is continued and the course in histology and embryology is completed.

In the second year anatomy and physiology are completed. The lectures in materia medica and medicine are begun and lectures, recitations, and laboratory courses in pharmacology and bacteriology are attended. As preliminary to the third and fourth years, recitations from text-books are held in obstetrics, materia medica, and surgery. For the second half of the second year the students are assigned to the laboratory for work in pathology and pathological anatomy, and are prepared for the study of medicine by an elementary clinic, and by instruction in the methods of physical diagnosis.

During the third year recitations in medicine and surgery are continued and those in gynecology, diseases of children, and therapeutics are begun. There are didactic as well as clinical lectures in medicine, surgery, pharmacology and therapeutics, obstetrics, gynecology, neurology, genito-urinary diseases, laryngology, otology, ophthalmology, dermatology, orthopedic surgery, and diseases of children. During the year the work in pathological anatomy and clinical pathology is completed. The class is divided into small sections for instruction in physical and medical diagnosis, and in the special branches of medicine and surgery at the various dispensaries and hospitals.

The student in the fourth year spends most of his time in the hospitals and dispensaries of the city. Consequently, although a few general and clinical lectures are still given, the work is almost entirely practical and bedside instruction. Divided into small groups, the students continue to come into personal contact with patients, under the supervision of the instructor. In this way they have the opportunity to become familiar with the history of a case, to make a complete physical examination, to form a diagnosis, to give a prognosis, to advise treatment, and to watch progress.

In the course in surgery the witnessing of numerous major and

minor operations is supplemented by an operative course in which the student himself performs on the cadaver many of the more common operations. For an obstetrical service, the unsurpassed facilities of the Sloane Maternity Hospital and out-patient obstetrical department in connection with the Nursery and Child's Hospital offer excellent opportunities. Here the student is required to live for five weeks and personally attend a certain number of cases of labor. The course in diseases of children includes bedside instruction in the wards of the Babies' Hospital, where exceptional advantages are enjoyed by the students for studying all forms of acute disease in infants and young children. The course is rounded out by personal instruction in the more special branches of medicine. In these branches the student is taught how to use many instruments of precision and to recognize and treat successfully many of the rarer forms of disease.

Clinical Clerkships in the Various Hospitals

Courses in the wards of St. Luke's, Bellevue, the Mt. Sinai, the Presbyterian, the New York, the German, and the Lincoln Hospitals have been opened by those institutions to fourth-year medical students. These courses consist of work in the wards of the hospitals during which the students admitted will serve as clinical clerks both in medicine and surgery and become for the time being members of the regular staff. The courses are open for periods of two months' duration both during the vacation and during the regular term. The students who can successfully pass such tests as may be required by these hospitals and be entered upon these courses will be excused from college work while on duty except on Thursday of each week.

REQUIREMENTS FOR ADMISSION

All candidates must present (1) the medical-student certificate of the Regents of the University of the State of New York, and (2) also *one* of the following qualifications:

(*a*) The completion of not less than two full years of study, or the equivalent, in an approved college or scientific school, which course must have included instruction in the elements of physics, inorganic chemistry, and biology; or

(*b*) In lieu of the above, candidates of mature years who meet the legal requirement may present such evidence as the Faculty may require, to prove exceptional fitness to undertake with advantage the study of medicine.

Advanced Standing

Admission may be granted to advanced standing at the beginning of any year. At least one full year of attendance is required of every candidate for the degree.

Candidates who have completed one or more years of study in an approved medical school, and apply for admission to advanced standing at the College of Physicians and Surgeons, will be admitted to the standing to which their record in that medical school would admit them, and be given credit for all courses satisfactorily completed therein, on presentation of proper certificates to the Committee on Admissions covering the same; provided that the candidates before beginning the study of medicine have fulfilled the requirements for admission demanded by the College of Physicians and Surgeons.

In applying the above regulation for admission to advanced standing, the Faculty have decided to discourage admission to the fourth-year class so far as undergraduate students from other colleges are concerned. The course in medical education divides itself logically into two parts, the first of which is scientific and consists of the first two years, and the second is clinical and consists of the last two years. It is found difficult to separate the work of the third and fourth years, and students who desire to obtain the advantages of the clinical opportunities offered in New York City (so far as they are represented by the College of Physicians and Surgeons) are recommended to transfer from their college of first study at the end of their second year in medicine, and to take both the third and fourth years at Columbia. It is essential that students offering themselves for admission should have all the work presented in the curriculum of the College of Physicians and Surgeons. This is especially true of the courses in general and microscopic pathology. It is impossible to organize the work of the third year so that a student may take at the same time the pathology courses offered by the College of Physicians and Surgeons in the second-year curriculum. Students who wish to enter the second year, and who have not had the work in physiological chemistry, may make up that deficiency by work in the Summer Session at Columbia, but up to the present time such a procedure is not possible so far as the pathology of the second year is concerned. Students who have finished the combined course leading to a Bachelor's degree, of which the last two years have been taken in a regular medical school connected with their university, are eligible for admission, under this ruling, to the third year at the College of Physicians and Surgeons, provided they have taken all the courses of the first two years' curriculum. The fourth year at the College is so eminently clinical, and is carried on in hospitals at a distance from the college building, in the course given under the heading of clinical clerks, that the admission to the fourth year will be largely limited to students who have already secured the degree of Doctor of Medicine. It is believed that the course

as given at the College will be found to be a valuable post-graduate year for many graduates, and the College believes that admission to the fourth year should be limited to such students.

Special Students

Students desiring to do special work at the College of Physicians and Surgeons may register at any time during the year as special students. Such applicants, however, cannot subsequently become candidates for graduation without full compliance with the terms of admission and graduation.

Special students will be required to present to the Committee on Admission before entrance evidence of (*a*) an adequate preliminary education, and (*b*) special fitness for the particular work they desire to pursue.

REQUIREMENTS FOR GRADUATION

Every candidate in the four-year course will be required before admission to the degree of M.D.:

1. To present satisfactory evidence, as required by law, of good moral character, and of having attained the age of twenty-one years.

2. To present evidence of having complied with the requirements for admission.

3. To have attained to satisfactory standing in the required studies of the four years of the curriculum. (See table, page 239.)

4. A candidate who shall have been admitted to advanced standing will be required to have spent not less than four academic years at the studies referred to in the clause next preceding; and to have complied successfully with the requirements for admission to advanced standing.

No two academic years which shall have begun during the same calendar year will be held to satisfy the requirements of the preceding clause.

The Degree of Master of Arts

The attention of students of Medicine is directed to Rule 10 of the Regulations for the Higher Degrees (page 188).

SCHOLARSHIPS, FELLOWSHIPS, AND PRIZES

(See page 432)

EQUIPMENT AND COLLECTIONS

Detailed information as to the laboratories, collections, and other facilities for study will be found in the statements of the various departments of instruction, pages 57–175, and more fully in the *Announcement of the College of Physicians and Surgeons.*

COURSE OF STUDY LEADING TO THE DEGREE OF M.D.

(A much more detailed summary will be found in the special *Announcement of the College of Physicians and Surgeons*)

First Year	Second Year	Third Year	Fourth Year
Chemistry (Physical and Organic) 51	Anatomy 51–52, 59–60, 63–64, 65–66	Pharmacology, Materia Medica, and Therapeutics 55–56, 57–58	Pharmacology, Materia Medica, and Therapeutics 51, 53–54, 70, 71–72, 75
Anatomy (including Histology and Embryology) 53, 54, 55–56, 57–58, 67–68, 69–70, 71–72	Physiology 106–107	Practice of Medicine 55–56, 57–58, 59–60, 61–62, 63–64, 65–66	Practice of Medicine 67–68, 69–70, 71–72, 73–74, 75–76, 79–80, 81–82, 83–84, 85–86, 87–88
Physiology 106–107	Pathology 52, 54	Neurology 51[1]	Neurology 51, 53–54, 55–56, 57, 59–60, 64
Physiological Chemistry 106	Bacteriology 51	Surgery 51–52, 53–54, 57–58, 59–60, 79–80, 81–82, 83–84, 85–86	Surgery 51–52, 55–56, 59–60, 63–64, 69–70, 71–72, 75–76
Pharmacy 61	Pharmacology, Materia Medica, and Therapeutics 59–60, 62, 63–64	Obstetrics 51	Orthopedic Surgery 53–54, 55–56
Surgery 94	Obstetrics 53–54	Gynecology 52, 53	Obstetrics 55–56, 57–58
Examinations upon the work of the first year	Practice of Medicine 51, 52, 54	Genito-Urinary Diseases 51–52, 53–54, 55	Gynecology 55–56, 57–58, 59–60, 61–62, 65–66
	Surgery 65–66	Ophthalmology 52, 53–54, 56	Dermatology 51–52
	Gross Pathology 55–56	Otology 51	Diseases of Children 51, 52, 53–54, 61–62
	Pathological Anatomy 57–58	Diseases of Children 51, 52, 55–56, 57, 59–60	Laryngology 57–58
	Examinations upon the work of the second year	Clinical Pathology 52	Otology 53–54, 55–56
		Orthopedic Surgery 51–52	Clinical Pathology 53–54
		Dermatology 53–54	Hygiene and Preventive Medicine, 52
		Laryngology 51–52, 53–54, 55–56	*Examinations upon the work of the fourth year*
		Pathological Anatomy 55–56, 57–58	
		Examinations upon the work of the third year	

[1] In all subjects which are not completed in a single year, the instruction offered to a given student is different each year.

Consult the departmental statements (pp. 57–175) for:
(1) The scope of each course, the number of hours required for it, and the instructors giving it;
(2) Information regarding the courses open to special (graduate) students in medicine.
(3) Courses which may be counted towards the degrees of A.M. and Ph.D.

REQUIREMENTS FOR LICENSE TO PRACTISE MEDICINE IN NEW YORK STATE

For information, see the *Announcement of the College of Physicians and Surgeons.*

SUMMER SESSION IN MEDICINE

(See page 398)

A general statement of the work offered will be found in connection with the statement of the Summer Session (see the Table of Contents, this volume), and a detailed announcement, showing the scope of each course, the conditions under which it is given, and the fee charged, will be sent upon application to the Secretary of Columbia University, New York City.

REGISTER OF STUDENTS

School of Medicine

FOURTH YEAR—CLASS OF 1912

AGAN, WILLIAM BYRON ..... Troy, N. Y.
ARMSTRONG, DONALD BUDD, Ph.B. Lafayette College 1908 ..... Easton, Pa.
ARONOWITZ, GREGORY ..... Brooklyn, N. Y.
ASCHNER, PAUL WILLIAM, A.B. 1910 ..... Brooklyn, N. Y.
BAKER, ELMER WAYNE, A.B. Princeton 1908 ..... Jamaica, N. Y.
BARRETT, PAUL SYDNEY ..... Brooklyn, N. Y.
BECK, DAVID ..... New York City
BISHOP, FRANK WARNER, B.S. 1910 ..... New York City
BLEIER, EDWARD, B.S. C. C. N. Y. 1908 ..... New York City
BORTONE, FRANK ..... Newark, N. J.
BRIM, CHARLES JACOB ..... New York City
CARBER, FRANK HOUGH ..... Newton, N. J.
CASSASA, CHARLES STEPHEN BARTHOLOMEW, A.B., Fordham 1908 ..... Long Island City, N. Y.
CHARLTON, CLAUDE COULTER, M.D. Univ. of Louisville 1908 ..... Wingo, Ky.
CHIPMAN, HARRY EDGAR HARRISON ..... Toronto, Can.
COMSTOCK, CARL RODNEY, A.B. Harvard 1908 ..... Saratoga Springs, N. Y.
CONKEY, OGDEN FETHERS, A.B. St. Lawrence Univ. 1908 ..... Canton, N. Y.
COOPER, FREDERICK STURGES, A.B. 1910 ..... Mount Vernon, Ohio
CRANE, CHARLES GEORGE, B.S. Wesleyan 1907 ..... Newark, N. J.
CRANE, WALTER RAYMOND, B.S. Occidental College 1908 ..... Los Angeles, Cal.
CUTLER, CONDICT WALTER, JR., B.S. 1910 ..... New York City
DAVIN, EDWARD JOHN, A.B. Yale 1910 ..... New York City
DOUGLASS, CHARLES YORK, A.B. Leland Stanford 1908 ..... Brooklyn, N. Y.
DUBOFF, WILLIAM SAMUEL ..... Brooklyn, N. Y.
FISHER, LEON GABRIEL ..... New York City
FRANKLIN, ISADOR HAROLD ..... Jersey City, N. J.
GILDERSLEEVE, JOHN ANDREW, A.B. Amherst 1908 ..... Mattituck, N. Y.
GITLOW, SAMUEL ..... New York City
GOLDMAN, SAMUEL ..... Brooklyn, N. Y.
HALPERN, THEODORE, A.B. C. C. N. Y. 1908 ..... New York City
HEAGEY, FRANCIS WENGER, A.B. Princeton 1908 ..... Cochranville, Pa.
HENRY, JAMES WORRALL, B.S. Univ. of Oklahoma 1910 ..... Pawnee, Okla.
HERRING, HAROLD MANDEVILLE ..... New York City
HIBBS, DAVID LACY, A.B. William Jewell 1907, A.M. Brown 1908 ..... Murfreesboro, Tenn.
HOLCOMBE, FRANK MAHLON, A.B. Univ. of Vermont 1907 ..... Keeseville, N. Y.
HOWE, HUBERT SHATTUCK, A.M. Univ. of Denver 1909 ..... Denver, Col.
IRVIN, JOHN SHEPHERD, A.B. Harvard 1908 ..... Philadelphia, Pa.
JENNINGS, FRANCIS BATES, A.B. Yale 1910 ..... Brooklyn, N. Y.
JOHNSON, HENRY LINCOLN ..... Brunswick, Me.
KANTOR, JOHN LEONARD, A.B. 1908 ..... New York City
KATZ, SYDNEY MILTON ..... Brooklyn, N. Y.
KEIL, GEORGE WILLIAM ..... New Rochelle, N. Y.
KEITH, WILLIAM NEELY, A.B. Lafayette 1905 ..... Newtown, Pa.

KENNEDY, ROBERT HAYWARD, A.B. Amherst 1908.....New York City
KLAUS, HENRY.....West Hoboken, N. J.
KNAPP, CHARLES WHITTEMORE, A.B. Yale 1908.....New Haven, Conn.
KRONMAN, DAVID EDWARD, A.B. 1910.....Brooklyn, N. Y.
LAWSING, GEORGE CONDÉ, A.B. Rutgers 1908.....Kiskatom, N. Y.
LECHENGER, GILBERT CECIL.....Houston, Tex.
LISS, IRVING EDWARD.....New York City
LOPEZ, ENRIQUE ALONSO, B.S. Salamanca University 1904.....Valladolid, Spain
MCCURDY, URIAH FRED, B.S. Univ. of Washington 1908.....Seattle, Wash.
MCLEAN, EDWARD HUNTINGTON, A.B. Princeton 1908..... Grant's Pass, Ore.
MCPHEETERS, JAS. DOUGLAS LAWRENCE, A.B. Univ. of Colorado 1909..Natchez, Miss.
MANHEIMS, PERRY JEFFERSON.....New York City
MENDELSON, ABRAHAM.....New York City
MOUNT, FRANK REID, A.B. Univ. of Oregon 1908.....Olympia, Wash.
MURRAY, CLAY RAY.....New York City
MURRAY, HARRY FREELING.....Narrowsburg, N. Y.
NAMMACK, CHARLES HALPIN, A.B. 1909.....New York City
NILSON, SIEGFRIED JOHANNES.....New York City
O'REILLY, JAMES ALOYSIUS.....New York City
O'REILLY, VINCENT LAWRENCE, A.B. Fordham 1908.....New York City
PEARCE, GEORGE GIRDWOOD.....New Bedford, Mass.
PICKHARDT, OTTO CARL, A.B. Yale 1908.....New York City
RAGAN, WILLIAM EUGENE, JR., A.B. Univ. of Ga. 1904.....Atlanta, Ga.
RATTNER, CHARLES GEORGE.....New York City
RAVICH, ABRAHAM, A.B. C. C. N. Y. 1908.....Aqueduct, L. I., N. Y.
RILEY, HENRY ALSOP, A.B. Yale 1908.....New York City
ROGERS, EDWARD JAMES, B.S. S.C. Military 1896.....Greenwood, S. C.
ROSENZWEIG, SAMUEL BERNARD.....New York City
SAWYER, CHARLES ROBERT, Ph.B. Wesleyan 1906.....Glens Falls, N. Y.
SCHWARTZ, ALFRED ALEXANDER.....New York City
SEIDLER, VICTOR BAYARD.....Newark, N. J.
SHLIMBAUM, SOLOMON.....New York City
SIDBURY, JAMES BUREN, A.B. Trinity, N. C. 1908.....Wilmington, N. C.
SIEGEL, MORRIS THEODORE, B.S. C. C. N. Y. 1902.....New York City
SIMON, MORRIS L.....Passaic, N. J.
SMITH, MARTIN DEFOREST, A.B. 1909.....New York City
STEINMETZ, FREDERICK CHARLES, A.B. 1909.....New York City
STOUT, ARTHUR PURDY, A.B. Yale 1907.....New York City
THOMPSON, LAURANCE MILLS, B.S. Princeton 1908.....New York City
TOVELL, HAROLD MURCHISON.....Toronto, Can.
UNGER, ABRAHAM, B.S. C. C. N. Y. 1908.....New York City
VAN KLEECK, EUEN, A.B. 1910.....New York City
WEEKS, WEBB WILLIAM, A.B. 1910.....Corry, Pa.
WHITE, WM. CRAWFORD, B.S. Wesleyan Univ. 1908.....Hoboken, N. J.
WHITMAN, ARMITAGE, A.B. Harvard 1908.....New York City
WILDMAN, HENRY VALENTINE, JR., A.B. 1910.....New York City
WYLIE, JOHN HERMAN, A.B. Indiana 1910.....Bloomington, Ind.
YOUNT, CARL COSSMAN.....Greensburg, Pa.

Fourth Year—Class of 1912..... 91

THIRD YEAR—CLASS OF 1913

ADAMS, LEOPOLD.....New York City
ALLEN, CHARLES INSLEY, B.S. Wake Forest 1911.....Wadesboro, N. C.
BABCOCK, JAMES WOODS, Litt.B. Rutgers 1909.....Jersey City, N. J.
BECKWITH, EDGAR WILLIAMS, B.S. New York Univ. 1910.....New York City

BENDER, WILLIAM FREDERICK.....New York City
BRANCATI, CHARLES.....New York City
BRIDGE, EDGAR RALPH, A.B. Bowdoin 1909.....Brunswick, Me.
BRUNO, ALEXANDER, B.S. 1911.....New York City
CARLETON, LELAND FRANCIS.....Wachula, Fla.
CARLISLE, JOHN HOWE, A.B. Williams 1909.....Passaic, N. J.
CARR, CHARLES EDMUND, A.B. Indiana 1908.....Bayonne, N. J.
CARR, FRANK CLYDE.....Bayonne, N. J.
CASALE, JOHN BAPTIST.....Newark, N. J.
CELANO, LUIGI.....Salerno, Italy
CHANDLER, CHARLES PORTER, A.B. Amherst 1909.....Montpelier, Vt.
CHAPLIN, HUGH, Litt.B. Princeton 1909.....Ridgewood, N. J.
CLARK, MORRIS HOLDEN.....Kansas City, Mo.
COLLICA, JEFFREY DANIEL CHARLES.....New York City
COLTON, WARREN ALFRED.....Vernal, Utah
CORRY, ROBERT THOMAS.....New York City
COULTER, CALVIN BREWSTER, A.B. Williams 1907, A.M. Princeton 1908..Chicago, Ill.
COX, FOUNTAIN FULFORD, B.S. Wake Forest 1911.....Winterville, N. C.
DAVIS, JAMES MATHESON, B.S. Wake Forest 1911.....Hiddenite, N. C.
DENNISTON, HAROLD POST.....Ovid, N. Y.
DI PALMA, SALVATORE.....New York City
DOWD, HEMAN LAWRENCE, A.B. Princeton 1909.....Orange, N. J.
DUGDALE, ALLISON HAROLD, B.S. Univ. of Nebraska.....Omaha, Neb.
EASTMAN, FRED WARD, A.B. Univ. of Missouri 1907.....Cameron, Mo.
EFFLER, LOUIS ROBERT, A.B. St. John's Univ. 1909.....Toledo, Ohio
EGLEE, EDWARD PERCY, A.B. Univ. of Colorado 1909.....Boulder, Colo.
ESTRIN, HARRY JOSEPH.....New York City
FARNAM, TRACY.....New Haven, Conn.
FAULKNER, CLARENCE SANFORD, A.B. Oberlin 1909.....Sherburne, N. Y.
FEINBERG, MOSES MURRAY, A.B. C. C. N. Y. 1909.....New York City
FISHER, JUDSON COOK, Ph.B. Syracuse Univ. 1909.....Sunbury, Pa.
FRUCHTMAN, FRANK, B.S. C. C. N. Y. 1908.....Brooklyn, N. Y.
GAUL, WILLIAM HENRY, Ph.C. 1909.....Yonkers, N. Y.
GILIBERTI, VINCENT.....Rutherford, N. J.
GRATTAN, JAMES FRANCIS, A.B. C. C. N. Y. 1909.....New York City
GRIESEMER, ZADOC LAWRENCE, A.B. Muhlenberg 1904.....Roselle, N. J.
HAAKE, CHARLES HENRY GRUBE.....New York City
HALLER, DAVID ALEXANDER, A.B. Hampden Sidney 1908.....Pocahontas, Va.
HAMRICK, JAMES YATES, B.S. Wake Forest 1911.....Shelby, N. C.
HAYS, LESLIE ST. CLAIR, A.B. Presbyterian (S. C.) 1906.....Clinton, S. C.
HETZEL, WILLIAM BARR, A.B. Princeton 1909.....Pittsburg, Pa.
HORNSTEIN, MARK.....Montreal, Can.
HOUGHTON, GUY SWINBURNE, A.B. Hobart 1905.....Albany, N. Y.
IORIO, EMILE FILIBERTO.....Brooklyn, N. Y.
JENNINGS, EDWARD ALLEN, Ph.B. Wesleyan 1907.....Short Hills, N. J.
JONES, BRUCE LEIGH.....Raleigh, N. C.
KELLOGG, WILLIAM ALVIN, A.B. 1908.....New York City
KNIGHT, WILLIAM ALLEN, B.S. Drury 1907, B.D. Union Theol. Sem. 1911..Conway, Mo.
KUNSTLER, MONROE BRADFORD, B.S. 1911.....New York City
LEIFFER, JOHN HENRY.....New York City
LENZ, MAURICE.....New York City
LE SEUR, HORACE HUTCHINS, A.B. Rochester 1910.....Batavia, N. Y.
LEVINE, SOLOMON.....Brooklyn, N. Y.
LOGGINS, JAMES A., A.B. Park 1909.....Devine, Texas
LOURIA, ALEXANDER LEON, B.S. 1910.....Brooklyn, N. Y.
LOWENS, HARRY.....New York City

McWILLIAMS, NORMAN BEATTIE, A.B. Princeton 1909.....Ossining, N. Y.
MACKENZIE, GEORGE MINER, A.B. 1907.....Dobbs Ferry, N. Y.
MAFFUCCI, MAURI, B.S., N. Y. University 1907.....Irvington-on-Hudson, N. Y.
MAYER, EDGAR, A.B. C. C. N. Y. 1909.....New York City
MEBANE, TOM SPERRING.....Wilkesbarre, Pa.
MINERVINI, VIRGINIUS.....New York City
MISTRETTA, JOSEPH.....New York City
MOITRIER, WILLIAM, JR., A.B. 1910.....Brooklyn, N. Y.
MOORE, ROBERT BOOTH.....Searcy, Ark.
O'LEARY, JOHN GEORGE, A.B. Georgetown 1895.....Canandaigua, N. Y.
PAINE, EDWARD WARREN.....Winslow, Me.
PALEG, SAMUEL.....New York City
PETERS, JOHN PUNNETT, JR., A.B. Yale 1908.....New York City
PHIPPS, WILLIAM GILES.....Mt. Vernon, N. Y.
PLOTZ, HARRY.....Brooklyn, N. Y.
POTTER, HOWARD WIELAND.....Elizabeth, N. J.
RHETT, WYTHE MUMFORD, B.S. Virginia Military Inst. 1909.....Columbus, Miss.
ROSENTHAL, NATHAN.....Spotswood, N. J.
ROTH, LEO (Lipot).....New York City
SAGARINO, JOHN FRANCIS, Ph.B. Yale 1909.....Hartford, Conn.
SASSULSKY, ISIDOR JESSE.....Brooklyn, N. Y.
SCHWERD, FREDERICK M.....New York City
SHANK, EVERETT WILLIAM, A.B. Oberlin 1902.....Dayton, Ohio
SHAPIRO, LOUIS GERSCHON.....Paterson, N. J.
SHATTUCK, HOWARD FRANCIS, A.B. Yale 1911.....Columbus, Ohio
SIMMONS, EDWARD BURNSIDE, B.S. Colgate 1906.....Worcester, Mass.
SKEEL, HENRY ROBERTSON, A.B. WESLEYAN 1909.....New York City
SPENCER, HENRY JAMES, A.B. Syracuse 1907, A.M. Williams 1908.....Factoryville, Pa.
STEFFEN, WALTHER CHARLES AUGUST.....College Point, N. Y.
STEPHENS, RICHMOND, B.S. 1911.....New Brighton, N. Y.
STICKLES, LLOYD, A.B. 1911.....Newark, N. J.
STILLMAN, ERNEST GOODRICH, A.B. Harvard 1907.....New York City
STRAUSS, SPENCER GOLDSMITH, A.B. Cornell 1909.....New York City
STREET, AUGUSTUS.....Vicksburg, Miss.
STREET, GEORGE MCQUEEN.....Vicksburg, Miss.
SWIFT, SAMUEL, A.B. Yale 1908.....New York City
TAYLOR, FENTON, A.B. Harvard 1909.....New York City
THORBURN, GRANT, A.B. Princeton 1909.....Rockaway, N. J.
UNGER, LESTER JARECKY, A.B. C. C. N. Y. 1909.....New York City
WARD, DELANCEY WALTON, Ph.B., Ph.D., Columbia 1894.....Flushing, N. Y.
WIGGERS, AUGUST FRANK ALBERT, Phar.D. 1899.....New York City
WILLIAMS, JESSE FEIRING, A.B. Oberlin 1909.....Kenton, Ohio
WILLIAMS, JOHN EDWARD.....Roselle Park, N. J.
WINSLOW, THOMAS SCUDDER, A.B. Williams 1909.....Poughkeepsie, N. Y.
YOUNG, JAMES FREDERICK.....Danbury, Conn.

Third Year—Class of 1913..... 105

SECOND YEAR—CLASS OF 1914

ACKER, GEORGE NICHOLAS, JR., B.S. Pennsylvania College 1909....Washington, D. C.
ADLER, HERBERT.....New York City
ALEXANDER, HARRY LOUIS, A.B. Williams 1910.....New York City
BENDER, MAURICE BLOCKER, B.S. Pennsylvania 1909.....Gettysburg, Pa.
BENSON, ARTHUR WRIGHT, A.B. Cornell 1910.....Troy, N. Y.
BOAS, ERNST PHILIP, B.S. Columbia 1910.....Grantwood, N. J.
BRADDOCK, WILLIAM HALLOCK, A.B. Princeton 1908.....New York City

BRASTED, HOWARD SPENCER, A.B. Hamilton 1910 ..... Hornell, N. Y.
BRILL, ISIDOR CHERNIACK (Senior Columbia College) ..... Portland, Ore.
BROTHERS, JAMES H., JR. ..... New Brighton, N. Y.
BURLINGHAM, ROBERT, A.B. Harvard 1910 ..... New York City
CADY, LYNDON BULKLEY, A.B. Williams 1910 ..... New York City
CALDWELL, GUY ALVIN ..... Corinth, Miss.
CROUZE, ALBERT PIERRE (Senior Columbia College) ..... New York City
DINEEN, PAUL ALBINUS LEO, A.B. St. Francis Xavier 1910 ..... New York City
EBELING, WILLIAM BRUNO (Senior Columbia College) ..... Brooklyn, N. Y.
EDWARDS, BRYANT BENJAMIN, B.S. Univ. of Alabama 1910 ..... Union Springs, Ala.
EICHHORN, LOUIS MAXIME, B.S. C. C. N. Y. 1902 ..... New York City
ERPF-LEFKOVICS, THUISCO ARTHUR, B.S. C. C. N. Y. 1910, A.M. Col. 1910 ... N. Y. City
FADIL, ISKANDER ELIAS ..... Tripoli, Turkey
FREUND, HAROLD HERMAN ..... New York City
FURNISS, CLINTON CHOLLET ..... New York City
GAMRIN, ELIAS ..... New York City
GILLSON, HUGH VINCENT, A.B. St. Peters 1910 ..... Paterson, N. J.
HALPERN, HERMAN ..... New York City
HAND, CORTLAND KIERNAN ..... Mt. Vernon, N. Y.
HANSEN, HARRY BEAUVOIR, Ph.C. 1910 ..... Weehawken, N. J.
HUTCHISON, FRED RUDY, B.S. Princeton 1908 ..... Alexandria, Pa.
IRISH, CHARLES GILBERT, A.B. Hobart 1911 ..... Lancaster, N. Y.
JACOBSON, SIMON, B.S. College of Charleston 1910 ..... New York City
JOHNSON, JOHN LORING, A.B. Bowdoin 1911 ..... Houlton, Me.
KAPLAN, IRA I., B.S. C. C. N. Y. 1910 ..... New York City
KATZ, ELIHU, A.B. C. C. N. Y. 1910 ..... Brooklyn, N. Y.
KERLEY, JAMES HOYT (Senior Columbia College) ..... Brooklyn, N. Y.
KOENIG, EGMONT LOUIS FRANCIS (Senior Columbia College) ..... New York City
KOMINZ, JACOB SAMUEL, B.S. Univ. of Rochester 1909 ..... Rochester, N. Y.
KRAKOW, MOSES HYMAN ..... New York City
KUHLMAN, ALVIN EDGAR, Ph.C. 1910 ..... Union, N. J.
LANDY, JOSEPH AARON, A.B. C. C. N. Y. 1910 ..... New York City
LARSON, HENRY MAXWELL, JR., A.B. Colorado College 1910 ..... Brooklyn, N. Y.
LOPEZ DE VICTORIA, CASSIUS ..... New York City
LUBARSKY, DAVID ARTHUR ..... New York City
MCCANN, DANIEL FRANCIS, JR., A.B. Georgetown 1910 ..... Brooklyn, N. Y.
MORRISON, WHITELAW REID, A.M. Oberlin 1910 ..... Ohiopyle, Pa.
NATANSON, DAVID MORRIS, B.S. C. C. N. Y. 1910 ..... New York City
NILES, FRANK LEE, B.S. Univ. of Cal. 1911 ..... San Francisco, Cal.
PADDOCK, ROYCE, A.B. 1910 ..... New York City
PALLEN, CONDE DE SALES, A.B. Georgetown 1910 ..... New Rochelle, N. Y.
PARSONS, WILLIAM BARCLAY, JR., A.B. Harvard 1910 ..... New York City
PASSOVER, GREGORY CONSTANTINE ..... New York City
PETERS, ANDREW, JR. (Senior Columbia College) ..... Brooklyn, N. Y.
PHILIPS, HERMAN BYROL ..... New York City
RAMSAY, ALEXANDER DUNN, Ph.C.&B.S. Vanderbilt Univ. 1907&1909 .. New York City
RAYNOLDS, RANDOLPH, A.B. Yale 1909 ..... New Haven, Conn.
ROGERS, RUPERT REED, A.B. Oberlin 1910 ..... Wellington, O.
ROSENBLÜTH, MILTON BENJAMIN, A.B. 1911 ..... New York City
ROSENSON, WILLIAM, B.S. C. C. N. Y. 1910 ..... New York City
RUNGE, OTTO ERNST (Senior Columbia College) ..... Brooklyn, N. Y.
SCUDDER, FRANK DYCKMAN, A.B. Yale 1910 ..... Tompkinsville, N. Y.
SEIBELS, ROBERT EMMET, B.S. Univ. of S. C. 1910 ..... Columbia, S. C.
SHIRLEY, AMOS REGINALD (Senior Columbia College) ..... New York City
SHULANSKY, JACOB, Ph.B. Yale 1910 ..... Hartford, Conn.
SINCLAIR, DONALD BUNKER, A.B. Princeton 1910 ..... New York City

SMALE, WILLIAM P., JR. (Senior Columbia College).....New York City
SMITH, THAYER ADAMS, A.B. Dartmouth 1910.....New York City
STEINHAUSER, WILLIAM.....New York City
ST. GEORGE, ARMIN VON, Ph.C. 1910.....Jersey City, N. J.
SULLIVAN, TIMOTHY FRANCIS XAVIER, A.B. C. C. N. Y. 1907.....New York City
TITUS, NORMAN EDWIN, Ph.B. Yale 1910.....New York City
VERMILYE, HERBERT NOBLE, A.B. Princeton 1910.....Orange, N. J.
WEISS, ADOLPH ABRAHAM, A.B. C. C. N. Y. 1910.....New York City
YOUNG, RALPH HOWARD (Senior Columbia College).....Newport, R. I.

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Seniors from Columbia College..... 9
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FIRST YEAR—CLASS OF 1915

ALLISON, BENJAMIN ROY, B.S. Dartmouth 1911.....Malone, N. Y.
BAKER, WILLIS POWER.....Cranford, N. J.
BERMAN, LOUIS.....New York City
BIDWELL, ALFRED MORRELL, Ph.B. Yale 1911.....Jersey City, N. J.
BINDERMAN, SAUL ARTHUR, B.A. C. C. N. Y. 1910.....New York City
BROKAW, RAYMOND VOORHEES.....Plainfield, N. J.
BURKE, EDGAR.....South Orange, N. J.
CALLAN, EDWARD JOSEPH, A.B. Holy Cross 1910.....Brooklyn, N. Y.
CARP, LOUIS.....New York City
CLARKE, PHILIP HENRY.....Holyoke, Mass.
CLEVELAND, MATHER, A.B. Yale 1911.....Denver, Col.
COLP, RALPH (Junior Columbia College).....New York City
COLVIN, WILLIAM PUTNAM.....New York City
CONKLIN, CORNELIUS S.....Ansonia, Conn.
DINGMAN, NORMAN MCLEOD (Senior Columbia College).....Spring Valley, N. Y.
DODD, RAYMOND CANFIELD, A.B. Williams 1911.....Glen Ridge, N. J.
DOLD, DOUGLAS MERIWETHER.....Astoria, N. Y.
FELSEN, JOSEPH, A.B. C. C. N. Y. 1911.....New York City
FRIEDMAN, WILLIAM.....New York City
GOLDSTONE, JOSEPH, A.B. C. C. N. Y. 1910.....New York City
GOTTESMAN, JULIUS, B.S. C. C. N. Y. 1911.....New York City
GREENBERGER, MORRIS.....New York City
GUSMANO, VITTORIO.....New York City
HALSTED, HALCYON, Pd.B. Colo. State Teachers College 1910.....Greeley, Col.
HAUGHWOUT, FRANK GODDARD.....New York City
HOLZMAN, MARTIN (Junior Columbia College).....New York City
HURD, RALPH ABRAM.....Stony Point, N. Y.
HYMAN, JULIUS, A.B. C. C. N. Y.....New York City
IAASON, ALFRED H. (Senior Columbia College).....Brooklyn, N. Y.
JACOBS, ALEXANDER W.....New York City
JERSKEY, ABRAHAM, A.B. C. C. N. Y. 1911.....Brooklyn, N. Y.
JESSUP, EVERETT COLGATE, B.S. Princeton 1911.....Brooklyn, N. Y.
JOHNSON, HAROLD FOOTE, A.B. Hamilton 1911.....Oxford, N. Y.
JOHNSON, REDFORD KOHLSAAT.....New York City
KENNY, JOHN J.....Prince Edward Is., Can.
KLEIN, EUGENE (Junior Columbia College).....New York City
KRAMER, BERTRAM, B.S. C. C. N. Y. 1910.....New York City
LADD, WILLIAM SARGENT, B.S. Amherst 1910.....Portland, Ore.

LASHER, WILLIS W.....Germantown, N. Y.
LEVY, JEROME (Junior Columbia College).....Brooklyn, N. Y.
LEWIS, RAYMOND WILLIAMS, A.B. Yale 1911.....New Britain, Conn.
LONGO, THOMAS JOSEPH, A.B. Univ. of Paris 1899.....Newark, N. J.
MCELVARE, GEORGE GERARD (Junior Columbia College).....Brooklyn, N. Y.
MCPHERSON, CHARLES A. J., A.B. Clark Univ. 1909.....Wedowee, Ala.
MARTINSON, HERMAN, A.B. C. C. N. Y. 1911.....New York City
MAYER, MAX DAVID (Senior Columbia College).....New York City
MELENEY, HENRY EDMUND, A.B. Dartmouth 1909.....Brooklyn, N. Y.
MERRITT, HOWARD BUTLER, A.B. Wesleyan 1910.....New York City
MICHAELS, LEO.....New York City
MILLER, MILTON VALENTINE, B.S. Gettysburg 1911.....Columbia, Pa.
MOORE, CHARLES ALLERTON (Junior Columbia College).....Binghamton, N. Y.
MOSES, JOSEPH, A.M. 1909.....New York City
NEWFIELD, LEWIS ALFRED, Ph.B. Brown 1911.....Brooklyn, N. Y.
NICHOLS, CHARLES FAY, A.B. Oberlin 1911.....Watkins, N. Y.
OVERTON, JOHN ARTHUR.....New York City
PARDEE, IRVING HOTCHKISS (Junior Columbia College).....New York City
PRICE, JOSEPH (Junior Columbia College).....New York City
PYLE, EDWIN.....Yonkers, N. Y.
REYNOLDS, ROBERT JESSE (Senior Columbia College).....Potsdam, N. Y.
ROBINSON, VICTOR, Ph.C. Coll. of Phar. 1911.....New York City
RUDOLPHY, JAY BESSON.....Hoboken, N. J.
SANDERS, THEODORE MICHAEL (Senior Columbia College).....New York City
SCHRAM, CLARE FRED NESBITT.....Oberlin, O.
SEIFF, HARRY JOSEPH, B.S. C. C. N. Y. 1911.....New York City
SMITH, ALAN DE FOREST (Junior Columbia College).....New York City
SMITH, HAROLD ELLSWORTH, A.B. Yale 1911.....New York City
SMITH, OLIVER HARRISON, A.B. Yale 1911.....Hartford, Conn.
SOBIN, JULIUS, A.B. C. C. N. Y. 1909.....Bayonne, N. J.
STEARNS, WILLIAM WATKINS (Senior Columbia College).....Yonkers, N. Y.
STEEL, JAMES ALEXANDER, A.B. 1911.....Las Cruces, New Mex.
STEVENS, ALBERT MASON, A.B. Yale 1905.....Brooklyn, N. Y.
STEVENS, NEIL CAMPBELL, A.B. Yale 1910.....Morristown, N. J.
ST. LAWRENCE, ARTHUR JOHN, Ph.B. Yale 1909.....West Haven, Conn.
STRAUSS, IRWIN DERNHAM (Junior Columbia College).....Holyoke, Mass.
SUSSMAN, HENRY ALEXANDER, B.S. C. C. N. Y. 1911.....Brooklyn, N. Y.
TANZOLA, VINCENT (Junior Columbia College).....Brooklyn, N. Y.
TAYLOR, HAROLD WILLIAMS, A.B. Columbia 1909.....New York City
THOMAS, CLARENCE PROCTOR, A.B. Yale 1911.....New York City
TRACY, GROVER, A.B. Gettysburg 1909.....Leneboro, Md.
TRAXLER, JAMES ERNEST.....Greenville, S. C.
UNGER, JONAS J., B.A. C. C. N. Y. 1911.....New York City
VALENSI, ALBERT (Junior Columbia College).....New York City
YOUNG, JOHN JOSEPH, A.B. St. Francis 1911.....Brooklyn, N. Y.
ZION, LEWIS, A.B. C. C. N. Y. 1911.....New York City

First Year—Class of 1915	66
Seniors from Columbia College	6
Juniors from Columbia College	12
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NON-MATRICULATED (SPECIAL) STUDENTS

Non-matriculated	24

SUMMARY

Fourth Year—Class of 1912	91
Third Year—Class of 1913	105
Second Year—Class of 1914	63
First Year—Class of 1915	66
Non-matriculated (Special Students)	24
	349
Juniors and Seniors from Columbia College	27
Total	376

THE SCHOOLS OF MINES, ENGINEERING, AND CHEMISTRY

The Faculty

The President of the University

Dean GOETZE

Professors ARENDT, BEANS, BERKEY, BLACK, BLANCHARD, BOGERT, BURNSIDE, BURR, CAMPBELL, CROCKER, [1] CURTIS, DAVIS, FISKE, FITE, FREAS, GRABAU, HALL, HALLOCK, HAWKES, HOWE, JACOBY, JONES, KEMP, KERN, KEYSER, KURTZ, LOVELL, LUCKE, LUQUER, MACLAY, MAYER, METZGER, MEYLAN, MILLER, MITCHELL (S. A.), MORECROFT, MORGAN (J. L. R.), MOSES, MUNROE, PARR, PEELE, PEGRAM, PUPIN, RAUTENSTRAUCH, SHERMAN (H. C.), SLICHTER, SMITH (ALEXANDER), THOMAS, TUCKER, WALKER, WENDELL, WHITAKER, WILLIAMS, WILLS

Officers of the Faculty

Mr. GOETZE.....*Dean and ex-officio Member of the University Council*

Professor JONES.....*Secretary*

Professor MUNROE..(Term expires 1913)..*Elected Delegate to the University Council*

Professor ALEXANDER SMITH..(Term expires 1914)..*Elected Delegate to the University Council*

Standing Committee

COMMITTEE ON INSTRUCTION: The Dean (*Chairman*), Professors Kemp, Lovell, Lucke, Walker, Wendell, and Whitaker.

COURSES

The Faculty of Applied Science has charge of the following schools:

The SCHOOL OF MINES, with four-year courses leading to the degrees of Engineer of Mines and Metallurgical Engineer.

The SCHOOL OF ENGINEERING, with four-year courses in Civil Engineering, Sanitary Engineering, Electrical Engineering, and Mechanical Engineering, the first two leading to the degree of Civil Engineer, and the others to the degree of Electrical Engineer and Mechanical Engineer, respectively.

The SCHOOL OF CHEMISTRY, with four-year courses leading to the degrees of Chemist and Chemical Engineer.

[1] Absent on leave 1911–12.

These courses are intended to meet the requirements of the several professions indicated. Many of the courses permit a certain amount of specialization, particularly in the fourth year.

Candidates for a professional degree who have some special end in view are sometimes permitted to vary the regular course by substituting for the courses ordinarily prescribed, courses for other degrees offered under this Faculty. Students holding an academic degree who become candidates for the degree of Master of Arts or Doctor of Philosophy may offer work in one or more of these branches of technology either as a major or a minor subject under the Faculty of Pure Science and will be given opportunity for special study and investigation.

(See page 188)

ADMISSION

Collegiate Preparation Recommended

The liberal training offered by a preliminary Collegiate Course is quite as important to engineers, metallurgists, and chemists as to lawyers, physicians, or clergymen, and is strongly recommended by the Faculty of Applied Science. This, however, does not and should not involve a residence of eight years in college and technical school before a candidate receives the professional degree.

A graduate of any good college who has selected his course with reference to future work in applied science is able to complete the requirements for a degree in the Schools of Mines, Engineering, and Chemistry in three years or less after receiving the Bachelor's degree. The opportunities for close articulation between Columbia College and these Schools are particularly good.

Requirements for Admission for Students without Collegiate Preparation

(See page 176)

Advanced Standing

The uniform first year in the Schools of Mines, Engineering, and Chemistry, and the efficient coördination of the subsequent years, make it possible for graduates of colleges and scientific schools to enter Columbia University with advanced standing and to complete the requirements for a professional degree without undue delay through conflicts and other causes. It is very desirable, however, that students in other colleges who are planning to take professional work after graduation should get into correspondence with the University as early as possible. If this is done they may receive advice with regard to the

most advantageous collegiate subjects to elect, and also with regard to the summer courses of Columbia University. By taking certain summer work at the University in advance, a student sometimes may save six months or a year in entering upon his professional career.

Candidates for admission to advanced standing should make application in writing to the Chairman of the Committee on Undergraduate Admissions in time to reach him before September 19, 1911.[1] The application must be accompanied by properly certified official statements of his standing in the subjects which he offers.

The Committee will notify the candidate at the address given in his letter, between September 10 and 14, 1912, what courses of those offered are accepted as equivalent to courses at Columbia University. In general, the Committee gives credit for complete courses only. In cases where the work previously done by the candidate has not been accepted by the Committee, the candidate should present himself at regular fall examinations during the two weeks immediately preceding the opening of the University (in 1912, September 16–23). For courses in which no regular fall examination is held, the candidate should report at the office of the Dean. The schedule of fall examinations is to be obtained from the Registrar. A fee of $5 is charged for these examinations, to all applicants who do not take them at the regular time.

No applicant will be allowed to enter the fourth-year class as a candidate for a degree after October 15th in any year.

It is suggested that candidates deficient in one or more entrance subjects in June, or who desire to make up first- and second-year subjects, arrange to take courses in them in the Summer Session of Columbia University, beginning on July 8, 1912, the *Announcement* of which will be sent upon application to the Secretary of the University.

Admission to Special Courses

Graduates of the Schools of Mines, Engineering, and Chemistry, and of other institutions of equal grade may pursue any subjects taught in the schools for which they are properly qualified.

Persons of mature age who are not graduates, but who show special qualifications, are sometimes permitted to pursue special courses, but this permission is not given to others.

Registration and Fees

(See page 42, *et seq.*)

Fellowships and Scholarships

(See page 432)

[1] When the candidate is at a considerable distance from the University, his application should be made as early as possible in order that he may receive the reply in time to present himself at the University on September 16, 1912.

Rules Governing Students

1. A student cannot be a candidate for more than one professional degree at the same time.

2. A candidate for a degree must comply with all requirements in force at the time said degree is conferred.

3. A student will be permitted to substitute one subject for another provided he obtains the consent of the Dean, the heads of departments concerned, and the head of the department giving the technical instruction leading to the degree.

4. A student absent from more than one-tenth of the required exercises will be debarred from examination in that subject. No student shall be exempt from this regulation except by action of the Committee on Instruction.

5. After examinations have been held, officers shall send to the Registrar a list of all students who have attended their courses, indicating proficiency by numbers on a scale of 10, a mark below 6 signifying a failure to pass. Reports of standing will be sent to First- and Second-year students every five weeks and to the Third- and Fourth-year students at the end of each term. Copies of all reports are at the same time sent to the Dean, to the Faculty Adviser, and, in the case of First- and Second-year students, the parent or guardian. They will be sent to the parent or guardian of Third- and Fourth-year students only on request.

6. Regular examinations shall be held at the end of the first half-year and at the end of the second half-year in all subjects offered during those respective periods. An examination may be held at the completion of any subject which does not extend throughout the given half-year.

7. Special examinations for students deficient at regular examinations shall be held during the two weeks in September preceding the opening of the next following academic year; and for members of the Fourth class in subjects belonging to that year only, during the first week in May.

Students who have been debarred are excluded from such examinations in accordance with the terms of the following rule.

Any student who shall have been debarred from any midyear or final examination in any subject shall not be allowed to take a deficiency or make-up examination in said subject until he shall have repeated said course in class.

8. Failure to pass a Summer Session course, credit for which would be accepted as equivalent to a regular undergraduate course in the Schools of Mines, Engineering, and Chemistry, shall be counted, in case a student registers for said course, as one of the three failures referred to in Rule 10.

9. The fee for special examinations is $5 for each course, which must be paid when the application is made. For special examinations in the September series the maximum fee is $25.

10. A student failing to pass in any subject at the regular examinations must present himself for special examination as provided under Rule 7.

Failing to pass the second examination, he must repeat the subject with the next class. Failing a third time to pass a satisfactory examination he may be dropped from the roll of the School.

11. Absence from any regular or special examination provided for in Rules 7 and 8 shall count as a failure unless excused by the Dean for reasons of weight.

12. No student having an entrance deficiency shall be permitted to register for any subject of the second, third, or fourth year without the written consent of the Dean, and no student shall be permitted to register for any subject the prerequisites for which have not been satisfied by him unless the Dean, for reasons of weight, grants him special permission.

13. Any student who shall have passed a satisfactory examination in Columbia College in any subject forming a part of one of the professional courses in the Schools of Mines, Engineering, and Chemistry will not be required to pursue that subject a second time.

14. During vacations following the close of each year, memoirs on assigned subjects must be prepared by the students in the courses of Mining, Metallurgy, Civil Engineering, Electrical Engineering, Mechanical Engineering, Chemical Engineering, and Chemistry. The time specified for the completion and handing in of memoirs will be as stated in the respective departmental announcements.

A student failing to hand in his memoir, drawings, or other summer work at the time specified by the department in which he is registered shall be considered to have failed; to have his work received later, he will be obliged to pay a fee of $5, as for a special examination.

15. By permission of the Dean, and concurrence of the heads of departments concerned, a student may attend subjects not required for his degree, provided such attendance does not interfere with his regular work. He must fulfil all the requirements exacted from regular students in such course.

Application for each special examination, except as provided below, must be filed at the office of the Registrar at least one week before the examination is to be taken, and in September and May at least one week before the first day of the respective examination period (in 1911–12 not later than Monday, September 11, and Monday, April 22, respectively). For later application an additional fee of $5 for any examination or series of examinations will be charged. Applications must be made on blanks (one for each course) to be obtained from the Registrar.

During the academic year students will be held responsible for the receipt of reports and other official communications sent to them at the coat room in Havemeyer Hall. During the summer vacation they will be held responsible for the receipt of such communications sent to their

home address as given on their registration blank for the preceding year.

Admission on Probation

Every first-year student admitted conditionally will be held under probation during the first half-year of residence. So far as possible students on probation are given the opportunity in Columbia College or in the Department of Extension Teaching to make good their deficiencies. Not later than the end of this period, the Dean, on the basis of reports from the head of each department in which the student is registered, will decide whether he shall be admitted to full standing, have his period of probation extended, or be dropped from the roll. The mark of 7 or higher, obtained in any subject at the end of the first half-year of residence, will be regarded as removing an entrance condition in that subject, unless the condition was incurred in a part of the subject not directly involved in the work of the course. Any condition not so removed must be satisfied by formal examination.

Equipment and Collections

Detailed information as to the laboratories, museums, collections, libraries, and other facilities for study and research will be found in the departmental statements as follows:

Chemistry, page 73.
Civil and Sanitary Engineering, page 79.
Electrical Engineering, page 101.
Geology, page 110.
Mechanical Engineering, page 130.
Metallurgy, page 132.
Mineralogy, page 134
Mining, page 135.
Physics, page 157.

SUMMARY OF PROFESSIONAL COURSES OF STUDY

NOTE: Detailed tabular arrangements of each year of these courses will be found in the *Announcement of the Schools of Mines, Engineering, and Chemistry.* (See also Departmental Statements, pages 57–175.)

Uniform Curriculum for the First Year

The curriculum for the first year of the four-year courses leading to the degrees of Engineer of Mines, Metallurgical, Civil, Electrical, Mechanical, and Chemical Engineer and Chemist is the same in every respect and the student entering the first-year class need not declare

which course he will follow until the end of the year, when he will have the advantage of the experience gained during the first year's work, where uncertainty exists respecting inclination or natural bent.

As will be seen in the tabular statement given below this first year is mainly devoted to a thorough grounding in mathematics, physics, and chemistry, the three fundamental subjects which form the indispensable basis for all broad and successful engineering work, not only in the remaining years of the course, but throughout the entire professional career. Specialization begins to some extent in the second year and becomes more marked in the third and fourth years.

The class is arranged in two divisions, Division B completing engineering drafting and descriptive geometry in the first term while Division A is completing general inorganic chemistry and qualitative analysis, the two divisions reversing the operation in the second term. This plan secures greater concentration of work; it facilitates the transfer of students to advanced standing from other institutions; and it enables well prepared students entering in February and taking advantage of the University Summer Session to catch up with their class by the following autumn.

To secure the most effective individual instruction the class is also divided for quizzes and recitations into six, eight, and twelve sections.

First Half-Year		Hours per week	
		Class	Lab'y
Drafting 1	Engineering Drafting	1	14
Drafting 3	Descriptive Geometry	3	
Mathematics 1	Algebra	2	
Mathematics 3	Analytical Geometry	3	
Mechanics 1	Elementary Mechanics	2	
Phys. Educ. A	Gymnasium		2
Physics 3	Mechanics, Wave Motion, and Heat	5	
	Total..	16	16
Second Half-Year			
Civil Eng. 2	Theory of Surveying	2	
Chemistry 4	General Inorganic Chemistry	3	
Chemistry 62	Qualitative Analysis	4	13
Mathematics 64	Differential Calculus	5	
Phys. Educ. A	Gymnasium		2
Physics 4	Heat and Light	5	
	Total..	19	15

SUMMER WORK: Civil Eng. 15s. Five weeks of surveying practice.

Leading to the Degree of Engineer of Mines

The four-year course leading to the degree of Engineer of Mines is intended primarily to train men to undertake the development of mineral properties, the design and construction of mine plants, and to manage mines. The course includes training in metallurgy. It is necessarily a broad one, comprising a wide range of studies in pure and applied science, and for this reason is frequently taken by students desiring a general scientific training.

The subjects most emphasized in this course are mining, metallurgy, geology, and engineering.

Metallurgy requires knowledge of inorganic and applied chemistry, qualitative and quantitative analysis, and assaying.

Geology must carry with it preliminary training in crystallography, mineralogy, and petrography.

Engineering in all its branches needs a fundamental knowledge

[1] SECOND YEAR			[2] THIRD YEAR			FOURTH YEAR		
First Half-Year								
Courses	Class	Lab'y	Courses	Class	Lab'y	Courses	Class	Lab'y
Civil Eng. 23	2	3	Civil Eng. 53	5	3	Elect. Eng. 75	1	3
Drafting 7		3	Civil Eng. 53		3	Geology 201		
Geology 5	3		Metallurgy 69	2	9	Metallurgy 101,		
Physics 5	5		Geology 105	3		111	3	
Mathematics 65	5		Mech. Eng. 13	3		Metallurgy 131,		
Mineralogy 1	3	6	Mech. Eng. 17	2		141	2	
Phys. Educ. B		2	Mining 51	3		Mining 71	3	
						Mining 73	1	
						Mining 75		12
						Mining 81	4	
						Mining 91	2	
Total hours	18	14		18	15		16	15
Second Half-Year								
Chemistry 66	3	13	Civil Eng. 54		3	Civil Eng. 76	2	
Chemistry 82	3		Civil Eng. 64	1	3	Geology 16		
Elect. Eng. 2	2		Elect. Eng. 72		3	Geology 110	2	
Geology 6	3		Elect. Eng. 4	2		Mech. Eng. 74	2	
Mechanics 102	5		Geology 4		3	Metallurgy 72		2
Mineralogy 2	3		Geology 106	3		Metallurgy 122	3	
Phys. Educ. B		2	Mech. Eng. 14	3		Mining 56	3	
			Mech. Eng. 76	1	3	Mining 72	3	
			Mineralogy 6		3	Mining 78		12
			Mining 52	2		Mining 80	1	
			Mining 54	3		Mining 82		3
						Mining 94	2	
Total hours	19	15		15	18		18	17

For significance of course numbers see pages 57–175.

[1] Summer work: Civil Engineering 27s and 28s (eight weeks).

[2] Summer work: Field work, Mining, Metallurgy, and Geology (eight weeks).

of mathematics, physics, mechanics, and thermodynamics. The proper design and construction of mining plants involve the study of certain branches of civil engineering, and the many and increasing applications of machinery to mining make it necessary to give much time to the theory and practice of mechanical and electrical engineering.

Leading to the Degree of Metallurgical Engineer

This course, which covers four years, is intended for those who expect to follow metallurgical work and become trained metallurgists in any of the branches of the profession. For the first two years much attention is paid to a thorough training in fundamental subjects, especially in mathematics, chemistry, physics, geology, mineralogy, and preliminary courses in engineering. In the third year instruction in metallurgy begins both by lectures and in the laboratories, while courses in

[1] SECOND YEAR			[2] THIRD YEAR			FOURTH YEAR		
First Half-Year								
Courses	Class	Lab'y	Courses	Class	Lab'y	Courses	Class	Lab'y
Civil Eng. 23	2	3	Civil Eng. 53	5	6	Chemistry 121	3	
Drafting 7	3		Metallurgy 69,			Elect. Eng. 75	1	
Geology 5	5		181	2	9	Mech. Eng. 17	2	
Mathematics 65		3	Geology 105	3		Metallurgy 131	1	
Mineralogy 7	5		Mech. Eng. 13	3		Metallurgy 141	1	
Phys. Educ. B	3	3	Metallurgy 101	1		Metallurgy 151	2	
Physics 5		2	Metallurgy 111	2		Metallurgy 171		9
Physics 43		6				Metallurgy 175	1	
						Metallurgy 177		3
						Mining 73	1	
						Mining 81	4	
						Mining 91	2	
Total hours	18	17		16	15		18	12
Second Half-Year								
Chemistry 66	3	12	Civil Eng. 64	1	3	Chemistry 122	3	
Chemistry 82	3		Civil Eng. 76	2	3	Mech. Eng. 72	2	3
Elect. Eng. 2	2		Elect. Eng. 72	1	3	Mech. Eng. 76	1	3
Geology 6	3		Elect. Eng. 104	2		Metallurgy 118	1	
Mechanics 102	5		Geology 4		3	Metallurgy 128	1	
Mineralogy 8		2	Geology 106	3		Metallurgy 138	1	
Phys. Educ. B		3	Mech. Eng. 14	3		Metallurgy 148	1	
			Metallurgy 122	3		Metallurgy 172		6
			Mineralogy 6		3	Mining 80	1	
			Mining 54	3		Mining 82		3
						Mining 94	2	
Total hours	16	17		18	15		13	15

For significance of course numbers see pages 57–175.

[1] Summer courses: Civil Engineering 27s (five weeks); Civil Engineering 28s (three weeks).

[2] Summer courses: Metallurgy 66s (three weeks); Metallurgy 64s (three weeks); Geology 112s (one week).

engineering, especially mechanical engineering, chemistry, and geology, are also provided for. The fourth year is devoted largely to advanced courses in metallurgy, and great stress is laid on giving, by laboratory work, familiarity with difficult high-temperature conditions of metallurgy, skill in miscroscopy and pyrometry, and training in execution and in the interpretation of the results developed. At the same time attention is devoted to the higher branches of engineering and chemistry and to important courses in mining engineering which are considered necessary.

In the summer schools, carefully arranged courses in general surveying, in railroad work, geological field work, and visits to metallurgical works are provided for. In the six weeks' summer courses at metallurgical works, the students are required to carefully study processes, make dimensioned sketches of furnaces and mills, and by observation and instruction are given a thorough understanding of metallurgical operations as conducted at the present time.

Leading to the Degree of Civil Engineer

The courses of study given in the Department of Civil Engineering are so formulated as to constitute broad educational training of a

[1] SECOND YEAR			[2] THIRD YEAR			FOURTH YEAR		
First Half-Year								
Courses	Class	Lab'y	Courses	Class	Lab'y	Courses	Class	Lab'y
Botany 7	1	3	Astronomy 105	3		Civil Eng. 75	4	
Drafting 5		3	Civil Eng. 21	1		Civil Eng. 85	2	3
Mathematics 65	5		Civil Eng. 51	2	3	Civil Eng. 87	2	3
Mech. Eng. 13	3		Civil Eng. 53	5	3	Civil Eng. 89	3	3
Mineralogy 5	2	2	Civil Eng. 53		3	Civil Eng. 97	2	
Mining 53	2		Civil Eng. 59	2		Civil Eng. 99		3
Phys. Educ. B		2	Civil Eng. 61	2	3	Mech. Eng. 41	1	3
Physics 5	5		Mech. Eng. 17	2		Mech. Eng. 63		3
Physics 43		3	Mech. Eng. 77	1	3			
Shopwork 15		3						
Total hours	18	16		18	15		14	18
Second Half-Year								
Chemistry 82	3		Astronomy 106	1	3	Civil Eng. 88	2	3
Drafting 6		3	Civil Eng. 52	3	3	Civil Eng. 90	3	3
Drafting 8		6	Civil Eng. 54		3	Civil Eng. 94	2	
Elect. Eng. 2	2		Civil Eng. 58	3	3	Civil Eng. 100	3	6
Geology 18	3	*3	Civil Eng. 62	2	3	Elect. Eng. 76	1	3
Mech. Eng. 14	3		Elect. Eng. 72	1	3	Elect. Eng. 112	2	
Mechanics 102	5		Elect. Eng. 4	2		Law 2	2	
Metallurgy 134	2		Mech. Eng. 18	2		Mech. Eng. 46	3	
Phys. Educ B		2	Mech. Eng. 78	3				
Physics 44		3						
Shopwork 16		3						
Total hours	18	20		17	18		18	15

For significance of course numbers see pages 57–175.

* Saturday afternoon during April and May.

[1] Summer work: Civil Engineering 25s (five weeks).

[2] Summer work: Civil Engineering 26s, Astronomy 107S (five weeks); Civil Engineering 101s (four weeks).

professional character for students intending to follow the practice of civil engineering or such other affiliated callings as may be based more or less upon the various branches of civil engineering. These courses of study can be taken more advantageously if the student has had a preliminary general training equivalent to that of an ordinary college course although that condition is not a requisite. Through these courses of study there is set forth a thorough grounding in the fundamental principles of engineering science as the first essential, supplemented, however, by constant exercises in the application of those fundamental principles to all the operations of the civil engineer, involving structures, machines, and processes connected with the adaptation and transmission of power for industrial and other purposes.

Sanitary Engineering

The course in Sanitary Engineering is a differentiation from the regular course in Civil Engineering and naturally leads, therefore, to the same degree. The first year is identical with the first year of other engineering courses, while the second year is almost identical with the regular second-year work of the course in Civil Engineering. The special

[1] SECOND YEAR			[2] THIRD YEAR			FOURTH YEAR		
First Half-Year								
Courses	Class	Lab'y	Courses	Class	Lab'y	Courses	Class	Lab'y
Botany 7	1	3	Civil Eng. 21	1		Civil Eng. 75	4	
Chemistry 65	2	6	Zoölogy 7			Civil Eng. 85	2	
Drafting 5		4	Bacteriology 101	2	6	Civil Eng. 87	2	3
Math. 65	5		Chemistry 41	2		Civil Eng. 89	3	3
Mech. Eng. 13	3		Civil Eng. 51	2	3	Civil Eng. 97	2	
Mineralogy 5	2	2	Civil Eng. 53	5	3	Civil Eng. 55		6
Phys. Educ. B		2	Civil Eng. 53		3	Civil Eng. 57a, 57b	2	
Physics 5	5		Civil Eng. 59	2		Mech. Eng. 17	2	
			Civil Eng. 61	2	3	Mech. Eng. 63		3
Total hours	18	17		16	18		17	15
Second Half-Year								
Chemistry 82	3		Chemistry 42	2		Civil Eng. 90	3	3
Chemistry 92a		*2	Civil Eng. 52	3	3	Civil Eng. 94	2	
Drafting 8		3	Civil Eng. 54		3	Civil Eng. 96	3	
Elect. Eng. 2	2		Civil Eng. 58	3	3	Civil Eng. 100		6
Geology 18	3	*3	Civil Eng. 62	2	3	Elect. Eng. 76	1	3
Mechanics 102	5		Elect. Eng. 72	1	3	Law 2	2	
Mech. Eng. 14	3		Elect. Eng. 4	2		Mech. Eng. 76	1	3
Metallurgy 134	2		Mech. Eng. 78	3		Mech. Eng. 82	3	
Phys. Educ. B		2						
Physics 44		6						
Shopwork 16		3						
Total hours	18	19		16	15		15	15

For significance of course numbers see pages 57–175.

* February and March—Microscopy; April and May—Geology.

[1] Summer work: Civil Engineering 25s (five weeks).

[2] Summer work: Civil Engineering 26s, Astronomy 107S (five weeks); Civil Engineering 71s (four weeks).

extensions in sanitary work are developed in the third and fourth years. It will be found that these sanitary subjects are set forth so as to cover in a thorough and comprehensive way those special fields occupied by the sanitary engineer of the present day. They include the sanitary treatment of water supplies and sewage with special work extended both by lectures and laboratory work into biology and bacteriology, standard laboratory methods in the sanitary administration of public water supplies, drainage, heating, and ventilation and the general principles of sanitary science, public health, and hygiene. These sanitary specialties are of advanced character, covering the latest investigations in such special work as daily bacterial tests of potable water for public purposes, the extermination of mosquitoes and other disease-carrying insects, the improvement of public health conditions found in cities and towns, the drainage and sanitary treatment of lands and the sanitary administration of buildings and industrial establishments liable to create nuisances. A graduate, therefore, of this course is qualified to enter the advanced practice of sanitary engineering in all its special fields.

Leading to the Degree of Electrical Engineer

The objects for which the regular four-year course in Electrical Engineering is designed and the education which it is intended to give are fully set forth in the *Announcement*.

[1] SECOND YEAR			[1] THIRD YEAR			FOURTH YEAR		
First Half-Year								
Courses	Class	Lab'y	Courses	Class	Lab'y	Courses	Class	Lab'y
Chemistry 65	2	6	Civil Eng. 53	5	3	Chemistry 183	2	3
Drafting 5		3	Civil Eng. 53		3	Elect. Eng. 103	3	
Mathematics 65	5		Civil Eng. 77	2		Elect. Eng. 105	3	
Mech. Eng. 13	3		Elect. Eng. 101	3		Elect. Eng. 109	1	
Phys. Educ. B		2	Elect. Eng. 173		6	Elect. Eng. 175	1	6
Physics 5	5		Mech. Eng. 17	2		Elect. Eng. 177	1	6
Physics 43		3	Mech. Eng. 41	1	3	Mech. Eng. 53	2	
Physics 105	2		Mechanics 105	2		Mech. Eng. 77	1	3
Shopwork 13		3	Mechanics 107	2		Mechanics 109	4	
Total hours	17	17		17	15		18	18
Second Half-Year								
Chemistry 38	2		Economics 2	3		Elect. Eng.		3
Chemistry 82	3		Elect. Eng. 52	2	3	Elect. Eng. 54 / Phy. 52	2	3
Drafting 6	1	3	Elect. Eng. 104	3		Elect. Eng. 106	2	
Drafting 8		6	Elect. Eng. 174		3	Elect. Eng. 108		1½
Elect. Eng. 2	2		Mech. Eng. 18	2		Elect. Eng. 110	1	
Mech. Eng. 14	3		Mech. Eng. 36		6	Elect. Eng. 112	2	
Mechanics 102	5		Mech. Eng. 76	1	3	Elect. Eng. 176	1	8
Metallurgy 134	2		Mechanics 108	3		Mech. Eng. 56	1	
Phys. Educ. B		2				Mech. Eng. 60		1½
Physics 44		3				Mech. Eng. 72	2	3
Shopwork 14		3				Mechanics 110	2	
Total hours	18	17		14	15		13	20

For significance of course numbers see pages 57–175.

[1] Summer memoir.

The first two years of the course are devoted to the fundamental subjects, including mathematics, physics, chemistry, mechanics, drawing, and certain electrical and mechanical engineering subjects which are elementary or introductory in character.

These fundamental and introductory subjects are intended to lay a broad and substantial foundation upon which the more specialized professional instruction of the third and fourth years is based. Even in these later years theoretical subjects, such as thermodynamics and electrical theory, are included and given most careful attention.

Leading to the Degree of Mechanical Engineer

The first two years of this course are devoted to essential preparatory and fundamental subjects, mathematics, chemistry, physics, analytical mechanics, and drawing, which are co-ordinated with kinematics, elementary design, shopwork, and the elements of electrical and steam engineering. In the third year there are developed the basic principles of thermodynamics, resistance of materials, and hy-

[1] SECOND YEAR			[2] THIRD YEAR			FOURTH YEAR		
First Half-Year								
Courses	Class	Lab'y	Courses	Class	Lab'y	Courses	Class	Lab'y
Drafting 7		3	Civil Eng. 53	5	3	Elect. Eng. 75	1	3
Mathematics 65	5		Elect. Eng. 73		3	Elect. Eng. 103	2	
Mech. Eng. 11	3		Elect. Eng. 101	2		Elect. Eng. 105	2	
Mech. Eng. 35		3	Mech. Eng. 17	2		Mech. Eng. 19	3	6
Mech. Eng. 59	2	3	Mech. Eng. 31	1	3	Mech. Eng. 25	3	6
Phys. Educ. B		2	Mech. Eng. 39	1	6	Mech. Eng. 33	2	3
Physics 5	5		Mechanics 105	2		Mech. Eng. 53	2	
Physics 43		3	Shopwork 11		6			
Shopwork 1		6						
Total hours	15	20		13	21		15	18
Second Half-Year								
Chemistry 82	3		Civil Eng. 54		3	Economics 2	3	
Elect. Eng. 2	2		Civil Eng. 78	2		Law 2	3	
Mech. Eng. 12	3	3	Elect. Eng. 4	2		Mech. Eng. 20	3	6
Mech. Eng. 36		3	Mech. Eng. 18	2		Mech. Eng. 22	4	3
Mechanics 102	5		Mech. Eng. 32	1	3	Mech. Eng. 46	3	
Metallurgy 134	2		Mech. Eng. 40	2	6	Mech. Eng. 52	2	
Phys. Educ. B		2	Mech. Eng. 54	2		Mech. Eng. 68	2	3
Physics 44		3	Mech. Eng. 62	1				
Shopwork 2		3	Mech. Eng. 64	2				
Shopwork 12		6	Mech. Eng. 66	1				
			Mech. Eng. 70	2				
			Mech. Eng. 60 / Metallurgy 156	1	3			
Total hours	15	20		18	15		20	12

For significance of course numbers see pages 57–175.

[1] Summer work: Shopwork 10s, 125 hours in College shops; Mech. Eng. 94s, six weeks' practical work in shops and drafting rooms of manufacturing establishments, with report: a total of nine weeks.

[2] Summer work: Mech. Eng. 96s (six weeks' practical experience in power plant with report).

draulics, which are fixed in the mind of the student by drill in the drafting room by design courses, in the laboratory by experiments and tests, and in class by analysis of standard mechanical and electrical machinery. The fourth year is devoted to a detailed treatment of gas and steam engine design, standard water turbine characteristics, and the essential relations between units constituting power plants and factories. Special attention is here paid to the economics of mechanical engineering by courses in industrial law, economics, and works management. Throughout the course the aim is to develop clear conceptions of underlying principles, habits of independent thought and orderly mental procedure applicable to any sort of mechanical engineering problems rather than to the memorization of isolated facts. The training given not only fits the student to take up the design of machinery and the perfection of processes of doing things by mechanical means, but also to take ultimately a leading place in the management of the manufacturing and transportation industries.

Leading to the Degree of Chemical Engineer

The course in chemical engineering, as will be seen, is designed to educate chemists with a sufficient amount of engineering to fit them

[1] SECOND YEAR			[2] THIRD YEAR			FOURTH YEAR		
First Half-Year								
Courses	Class	Lab'y	Courses	Class	Lab'y	Courses	Class	Lab'y
Chemistry 41	2		Civil Eng. 53	5	3	Civil Eng. 77	2	
Chemistry 163	4	9	Chemistry 83	3		Chemistry 89		3
Mathematics 65	5		Chemistry 171	4	9	Chemistry 197	3	
Mineralogy 15		3	Mech. Eng. 13	3		Chemistry 121	3	2
Phys. Educ. B		2	Mech. Eng. 59	2	3	Mech. Eng. 17	2	
Physics 5	5		Metallurgy 131	1		Mech. Eng. 37	1	6
Physics 43		3	Metallurgy 141	1		Mech. Eng. 77	1	3
						Metallurgy 101, 111	3	
Total hours	16	17		19	15		15	14
Second Half-Year								
Chemistry 42	2		Civil Eng. 54		3	Chemistry 198	3	
Chemistry 82	3		Chemistry 84	3		Chemistry 122	3	
Chemistry 164	4	12	Chemistry 150	2	9	Chemistry 184	2	3
Elect. Eng. 2	2		Elect. Eng. 72		3	Mech. Eng. 18	2	
Mechanics 102	5		Elect. Eng. 4	2		Mech. Eng. 52	2	
Mineralogy 16		3	Law 2		2	Mech. Eng. 76	1	3
Phys. Educ. B		2	Mech. Eng. 14	3		Metallurgy 172		2
Physics 44		3	Mech. Eng. 70	2		Metallurgy 122	3	
						Thesis		9
Total hours	16	20		12	17		16	17

For significance of course numbers see pages 57–175.

[1] Summer work: Chemistry 80a, Chemistry 69s, Shopwork 18s (three weeks in June). Summer work: Chemistry 80b; Chemical factory work with memoir (six weeks).

to take charge of chemical works which depend largely on the use of machinery. This requires a knowledge of mechanical engineering, electrical engineering, hydraulics, mechanical drawing, shopwork, etc., as well as a thorough knowledge of chemistry in all its branches.

Leading to the Degree of Chemist

The regular four-year course of instruction is designed for the education of professional chemists who intend to devote their lives to the practice of this profession, either as teachers in colleges and scientific schools, after further preparation, or as chemists or research chemists in manufacturing and other industrial enterprises.

The course in chemistry includes not only all branches of theoretical, analytical, and industrial chemistry, but also collateral sciences, such as mathematics, mechanics, physics, mineralogy, metallurgy, mechanical and electrical engineering, and drawing, which have been found by

[1] SECOND YEAR			[2] THIRD YEAR			FOURTH YEAR		
First Half-Year								
Courses	Class	Lab'y	Courses	Class	Lab'y	Courses	Class	Lab'y
Chemistry 21	2		Chemistry 83	3		Chemistry 7		
Chemistry 41	2		Chemistry 101	2		Chemistry 23		
Chemistry 163	4	12	Chemistry 171	4	15	Chemistry 93		
Mathematics 65	5		Chemistry 183	1		Chemistry 95	2	
Mineralogy 15		3	Mech. Eng. 13	3		Chemistry 143		
Phys. Educ. B		2	Metallurgy 131	1		Chemistry 167		
Physics 5	5		Metallurgy 141	1		Chemistry 173		
						Chemistry 89		3
						Chemistry 121	3	2
						Chemistry 141	5	12
						Metallurgy 101, 111	3	
Total hours	18	17		15	15		13	17
Second Half-Year								
Chemistry 22	3	2	Chemistry 84	3		Chemistry 122	3	
Chemistry 42	2		Chemistry 88		6	Chemistry 142	5	
Chemistry 82	3		Chemistry 102	2		Metallurgy 122	3	
Chemistry 164	4	12	Chemistry 170	2	9	*Thesis*—	2	15
Elect. Eng. 2	2		Chemistry 184	1	3	Chemistry 8		
Mechanics 102	5		Mech. Eng. 14	3		Chemistry 24		
Mineralogy 16		3				Chemistry 94		
Phys. Educ. B		2				Chemistry 96		
						Chemistry 144		
						Chemistry 168		
						Chemistry 174		
						Chemistry 176		
Total hours	19	19		11	18		13	15

For significance of course numbers see pages 57–175.

[1] Summer Work: Chemistry 80a, memoir. [2] Summer Work: Chemistry 80b, memoir.

experience to be required by the professional chemist. It is the intention to provide the graduate not only with a thorough knowledge of the principles and practice of chemistry in all its branches, but with such a broad and liberal education in the collateral sciences as will prepare him for every demand that will be likely to be made upon him in connection with his profession or in the pursuit of investigation.

REGISTER OF STUDENTS

Schools of Mines, Engineering, and Chemistry

FOURTH YEAR—CLASS OF 1912

Mining Engineering

Beadle, John B.....Washington, D. C.
Beam, John Cooke, B.S. Princeton 1909.....Bogota, N. J.
Becker, Philip Frank, B.S. C. C. N. Y. 1907.....New York City
Bell, James E.....New York City
Brown, Thomas Ellis, 3d.....New York City
Carney, Cyril T., B.Sc. Iowa 1910.....Grinnell, Iowa
Claghorn, James L.....New York City
Cook, Edgar Hawley.....Albany, N. Y.
Cornwall, Harry Forsyth.....Short Hills, N. J.
Donaldson, Kenneth Hume.....New York City
Dub, George David, B.S. C. C. N. Y. 1909.....New York City
Hanke, Adolph G.....Cincinnati, Ohio
Hazzard, Lynne Franklin.....Bisbee, Ariz.
Heller, Milton White, B.S. C. C. N. Y. 1909.....New York City
Hinman, Edward, Jr., A.B. 1910.....New York City
Hoyt, John Terrell.....Salt Lake City, Utah
Kearney, George S.....Minneapolis, Minn.
Kleinbaum, Elihu Nathan, B.S. C. C. N. Y. 1909.....New York City
Kraft, Philip, Jr., B.S. 1910.....New York City
Lovejoy, John M.....New Rochelle, N. Y.
McArdle, William Henry.....New York City
McKeown, Samuel Anderson.....New York City
Marquardt, Ernest.....New York City
Moffett, James Henry Clyde.....Minneapolis, Minn.
Moore, James Isaac, Jr.....New York City
Mudd, Harvey Seeley.....Los Angeles, Calif.
Norris, William M., Jr., A.B. Princeton 1910.....Princeton, N. J.
Patterson, Richard Cunningham, Jr.....Kansas City, Mo.
Peters, William Frederick, Jr.....New York City
Ruthardt, Rudolf Maximilian.....New York City
Salsbury, Milton.....New York City
Scheuch, William Allen.....New York City
Semple, Robert Alexander.....Glasgow, Scotland
Sethna, Nanabhoy Rustomji, L.C.E. Bombay 1905.....Kalyan, India
Shaw, George Augustus.....New York City
Silverstein, Israel Philip.....Passaic, N. J.
Skinner, Thomas Wayne.....Dunmore, Pa.
Staiger, Bertram C.....Newark, N. J.
Steindler, Eugene Lobner.....New York City
Swartz, Milton D.....Baltimore, Md.
Tarantous, Richard, B.S. C. C. N.Y 1908.....New York City

TASHOF, IVAN POPPERS ..... Washington, D. C.
TRILLICH, BERTRAM LAURENCE ..... New York City
WAGNER, FRANK H ..... Buffalo, N. Y.
WOOD, JAY PENDLETON ..... New York City
[45]

CIVIL ENGINEERING

ANANIEFF, VLADIMIR ..... Moscow, Russia
BARBERO, GEORGE ..... Rye, N. Y.
BOLGER, PAUL SAMUEL LOUIS, B.E. Cooper Union 1910 ..... New York City
BRADLEY, SEYMOUR M., Ph.B. Yale 1909 ..... New Haven, Conn.
BROOCKMANN, OSCAR WILLIAM ERNST ..... New York City
BURR, GEORGE LINDSLEY, A.B. Harvard 1910 ..... New Canaan, Conn.
COCCO, MIGUEL ANGEL ..... Puerto Plato, Dominican Rep.
COLAS, NICHOLAS ..... New York City
DER GARABEDIAN, MICHAEL, B.S. 1910 ..... Yonkers, N. Y.
DOLOWITZ, ALEXANDER, B.S. Cooper Union 1909 ..... New York City
GOLDEN, THEODORE ..... New York City
HADDEN, GAVIN, A.B. Harvard 1910 ..... New York City
LOEWY, JEROME, B.S. C. C. N. Y. 1910 ..... New York City
MCGINLEY, JOHN J., B.S. C. C. N. Y. 1909 ..... New York City
MILLER, WALTER REGINALD ..... West Park, N. Y.
NOORIAN, N. Z. ..... New York City
RADIGAN, FRANCIS JOSEPH ..... Jersey City, N. J.
ROSE, JOSEPH ..... New York City
SAMUELS, MILTON ..... New York City
SCHLOSSMAN, WILLIAM MAYER, B.S. 1910 ..... New York City
SMITH, JAY LEE ..... New York City
VALENTINE, CLAUDE HARRY ..... New York City
VERPLANCK, EDWARD FENNO ..... Fishkill-on-Hudson, N. Y.
WEISS, BENJAMIN ..... New York City
WELLE, EBERHARD ..... Paterson, N. J.
[25]

ELECTRICAL ENGINEERING

DICKSON, WALTER SIMMONDS, B.E. Cooper Union 1908 ..... Arlington, N. J.
FINLEY, CECIL JOHNSTON ..... New York City
HAINES, WILLIAM HOWARD ..... Englewood, N. J.
LEVY, LOUIS EDWARD ..... New York City
LOEBENSTEIN, JULIAN ..... New York City
MELLEN, HENRY LUTHER, A.B. 1910 ..... Middlebury, Vt.
SHAKIN, VICTOR ..... New York City
STERN, KENNETH GIBSON, A.B. Princeton 1909 ..... Westfield, N. J.
WALTER, LOUIS ..... Maspeth, N. Y.
WHITE, WILLIAM COMINGS ..... Englewood, N. J.
[10]

MECHANICAL ENGINEERING

BAUMEISTER, PAUL A. ..... New York City
BENSON, C. D. ..... New York City
BUTCHER, WILLARD FERRIS ..... Bridgeport, Conn.
DEMOREST, WILLIAM J. ..... New York City
EDDISON, WILLIAM BARTON ..... Irvington, N. Y.
ENTELMANN, JOHN HENRY ..... New York City
EVANS, HERBERT W. ..... New York City

GEIGER, HERMAN ROLAND ..... New York City
GREENE, HARRY TALMAGE, JR. ..... New York City
GREF, WILLIAM ..... New York City
HAAREN, WILLIAM FREDERICK ..... New York City
HAYNES, JAMES LEROY ..... New York City
HENDRICKSON, NIELS EDWIN ..... New York City
HUBBARD, EDGAR W ..... New York City
LASSMAN, BENJAMIN ..... New York City
LEVY, ALFRED K ..... New York City
MACDERMOTT, STEWART SINCLAIR ..... New York City
MCCLELLAND, GEORGE FRASER ..... Berlin, Germany
MCIVER, FRANCIS FERGUS, JR ..... New York City
MCLEOD, ROBERT HENRY ..... Passaic, N. J.
MAGUIRE, CEDRIC FERRIS, B.S. 1911 ..... New York City
MAYNZ, THEODORE, A.B. Harvard 1910 ..... New York City
MONTGOMERY, GRAHAM LIVINGSTON ..... New York City
MOSHER, EDGAR HEMINGWAY ..... New York City
MURPHY, EUGENE ALLSTON ..... Rochester, N. Y.
RILEY, WELLS LITTLEFIELD ..... New York City
ROGOWSKI, BRUNO ..... New York City
SCHEDE, FERDINAND CARL ..... Mt. Vernon, N. Y.
TAG, WALTER ..... New York City
WEGENER, FRANCIS A ..... New York City
WETJEN, HENRY W ..... New York City
[31]

CHEMICAL ENGINEERING

HAYS, JOHN E., B.E. Vanderbilt 1909 ..... Nashville, Tenn.
HOCHBERGER, OSCAR, B.S. 1910 ..... New York City
HUTTLINGER, CARL F., A.B. 1909 ..... New York City
LAMB, KARL BARRÉ ..... New York City
LANDOLT, PERCY WILLIAM EDWARD ..... New York City
MAAS, LESTER WALLACK ..... New York City
NORTON, ARIE RANDOLPH, A.B. Colorado College 1909 ..... Pueblo, Colo.
ORMONT, BERNARD, B.S. C. C. N. Y. 1909 ..... New York City
PFEIFFER, BURTON LAWRENCE ..... Parsons, Kan.
READ, HENRY LEWIS, A.B. Yale 1909 ..... New York City
ROHN, JULIUS ..... Montclair, N. J.
SCHULTZ, LOUIS CLAUDE ..... Florida, N. Y.
SIMON, CLARENCE ..... New York City
STRUTHERS, ROYDEN TITUS ..... New York City
SUYDAM, JOHN R., JR., A.B. Harvard 1908 ..... New York City
[15]

METALLURGY

GLASSFORD, JOHN, Phar.D. 1898, Grad. Chem. Cooper Union 1901 .... Jersey City, N. J.
LEVISON, STUART ..... New York City
WARNER, CHARLES M., JR., B.S. Rutgers 1908 ..... Elizabeth, N. J.
[3]

CHEMISTRY

SEIL, GILBERT EDWARD ..... Perth Amboy, N. J.
THOMAS, ARTHUR W ..... Palisades Park, N. J.
THORN, FREDERICK C ..... New York City
[3]

Sanitary Engineering

Fossas, Eduardo José, C.E. 1909 ..... San Juan, P. R.
[1]

FOURTH YEAR—CLASS OF 1912

Mining Engineering	45
Civil "	25
Electrical "	10
Mechanical "	31
Chemical "	15
Metallurgy	3
Chemistry	3
Sanitary Engineering	1
Total	133

THIRD YEAR—CLASS OF 1913

Mining Engineering

Abrahams, Alexander Isidore, A.B. 1911 ..... New York City
Beehler, George R. ..... Philadelphia, Pa.
Bonsib, Ray Myron, A.B. 1911, A.M. 1911 Indiana ..... Vincennes, Ind.
Bonsib, Roy Samuel, A.B. 1910, A.M. 1911 Indiana ..... Vincennes, Ind.
Browning, C. P. ..... Norwich, Conn.
Burroughs, Ambrose Hammet, Jr. ..... New York City
Caruthers, Anthony Wayne ..... Irwin, Pa.
Chow, Kai-Chi ..... Shanghai, China
Clancy, Edwin Menefee, B.S. Princeton 1911 ..... Louisville, Ky.
Dugan, William Francis ..... Minneapolis, Minn.
Eisenberg, Herbert Leopold ..... New York City
Federman, Samuel ..... New York City
Fickett, Harold L., B.S. Baylor 1910 ..... Galveston, Texas
Fielding, James Ridge ..... Hackensack, N. J.
Gatch, Nelson Burnes ..... St. Louis, Mo.
Goldstein, Davis ..... Passaic, N. J.
Grant, Wheadon Martin ..... Birmingham, Ala.
Greenberg, Frederick ..... New York City
Gross, Le Roy Maurice ..... New York City
Hess, Karl F. ..... New York City
Hickey, Louis Walter, A.B. Harvard 1910 ..... Dorchester, Mass.
Hitchins, Owen Eaton ..... Frostburg, Md.
Hoyt, Donald Chester, A.B. Michigan 1909 ..... Chillicothe, Ohio
Hubbard, Dwight Gerald ..... New York City
Kurz, John B. ..... New York City
Leiner, Joseph ..... Baltimore, Md.
Lunn, Robert, Jr. ..... Jersey City, N. J.
Mahler, Charles Henry ..... New York City
Mampel, Charles J. ..... New York City
Manés, René Achilles Francis ..... New York City
Meissner, Clarence E. ..... New York City
Moore, Dudley M. ..... New York City
Morrill, Albert Harrison ..... New York City
Naravane, Sankar Govind ..... Poona, India
O'Donnell, Robert C. ..... New York City

OFFICER, HERBERT GEORGE, B.S. 1911, A.M. 1911 South Carolina.....Eddy Lake, S. C.
PATCHELL, FREDERICK JAMES.....Washington, D. C.
PINEDA, ROSENDO, JR.....Mexico City, Mexico
PRATT, JOHN WELLS.....Buffalo, N. Y.
PROCHAZKA, GEORGE ANTHONY, JR.....New York City
PYNE, WALTER F.....New York City
RADE, HENRY SIGMUND.....New York City
RICHTER, CHARLES.....New York City
ROBERTS, EDWARD OLIVER.....New York City
RUGEN, OTTO N.....New York City
SCHATTINGER, GEORGE F.....Denver, Colo.
SCHMIDT, WILLIAM C., JR.....New York City
SCHURMAN, GEORGE W.....New York City
SUN, HYIEN-WAY.....Hangchow, China
TACKMANN, HENRY.....New York City
THOMAS, JAMES AKIN, JR.....New York City
TRISCHKA, CARL.....New York City
WARD, NORMAN B.....Montclair, N. J.
WISE, ALFRED LEO.....New York City
[54]

CIVIL ENGINEERING

ARONIN, ISIDOR.....New York City
BABCOCK, HARRY S.....Pelham Manor, N. Y.
BEGEMAN, WARREN KELLOGG, B.S. Washington 1909.....Milford, Pa.
BRADY, JOHN CASPAR.....New York City
CARMEL, WILLARD.....New York City
CARNER, SAMUEL.....New York City
CASSIDY, JAMES CLARKE.....New York City
CHEATHAM, JAMES LESLIE.....Henderson, Ky.
CONDIT, KENNETH HAMILTON, M.E. Stevens 1908.....East Orange, N. J.
COVEY, PAUL BISSELL.....Yonkers, N. Y.
DI STASIO, JOSEPH.....New York City
DUFFIE, ARCHIBALD DUNCAN.....Bantam, Conn.
FAIRBAIRN, ROBERT LE FEVRE, A.B. 1911.....New York City
FINDLAY, EDWIN HAROLD.....New York City
FISH, GILBERT DUDLEY.....New York City
GENUNG, GEORGE ROY.....New York City
GLOCK, ALFRED R.....New York City
GREACEN, JOHN LYLE.....New York City
GUIBERT, JOHN CLAIRE NORRIS.....New York City
HARRIS, LEE HURDMAN.....Pittsburg, Pa.
HERNANDEZ, JOHN ALBERT.....New York City
JACKSON, WALTER MOORES, JR.....New York City
KATZENBERG, SAMUEL KERMIT.....New York City
KIRCHGRABER, EARLE HAMLIN.....Pine Bluff, Ark.
KORN, MAX HENRY.....Hackensack, N. J.
LAGUARDIA, GIOVANNI B.....New York City
LATHROP, JOHN EARLE.....Yonkers, N. Y.
LIPARI, ATTILIO FELIX.....New York City
LOMMEL, GEORGE L.....New York City
MCLOUGHLIN, FREDERIC O. X. B.S. C. C. N. Y. 1909.....New York City
MALOY, JOHN PATRICK.....New York City
MANDELL, SOLON BARON.....New York City
MARX, RAYMOND M.....New York City

MILLER, FREDERICK.....New York City
NEUMAN, DAVID LEONARD.....New York City
PATTERSON, JOHN E.....Kansas City, Mo.
PEET, GERALD DAYTON.....Cortland, N. Y.
PHILLIPS, JACQUIN.....New York City
PINCHOOK, BENJAMIN P., B.S. C. C. N. Y. 1910.....New York City
ROBERTS, ELMER.....New York City
ROEMERMANN, ADOLPH.....New York City
SMILLIE, RALPH, A.B. Yale 1909.....New York City
SPENCER, FREDERICK BURR, A.B. 1911.....New York City
STEINBERG, MAX JULIUS.....New York City
STEINBRUCH, WALTER.....New York City
STEVENS, HERBERT CHESTER.....Passaic, N. J.
STRANG, REGINALD BARTLETT.....New York City
SUN, MAN.....Canton, China
TODD, CARLOS N.....New York City
TORBORG, GERARD RUDOLF.....New York City
WEISS, HARRY.....New York City
[50]

ELECTRICAL ENGINEERING

ARMSTRONG, EDWIN HOWARD.....Yonkers, N. Y.
BURGI, HERMAN, JR.....New York City
ERNST, MONTROSE, B.S. 1911.....New York City
FULLERTON, HENRY SUYDAM, JR.....Plainfield, N. J.
HALDEMAN, HAROLD WATSON.....New York City
JANSON, CARL ALEXANDER.....New York City
KAUFMAN, LEWIS BERNHARD.....East Orange, N. J.
KROLL, CORNELIUS.....New York City
LANGLEY, RALPH HERBERT.....New York City
MAPES, LELAND R.....Spring Valley, N. Y.
MOCK, FRANK CHARLES.....New York City
RICHTER, HENRY.....New York City
SAALBERG, HERMAN.....New York City
SCHNEIDER, LOUIS SEYMOUR.....New York City
SINCLAIR, CHARLES GOODWIN, JR.....Towaco, N. J.
VALLELY, CHARLES COSGROVE.....New York City
VOGLER, PETER CHARLES.....New York City
WALSH, JAMES ALOYSIUS.....New York City
WATTERS, ARTHUR C.....Taunton, Mass.
WHEELER, ROBERT A.....New York City
WILSON, LE ROY.....New York City
[21]

MECHANICAL ENGINEERING

AUGUSTINE, ADDISON E.....New York City
BISSELL, ALBERT WEST.....New York City
BLANCHARD, HAROLD F.....New York City
BROMBACHER, MAX H. C., JR.....New York City
COHEN, EDGAR FABIAN.....New York City
CONNER, BENJAMIN FRANKLIN, JR.....New York City
COOK, HENRY P.....New York City
EMMERT, JOHN BARRETT.....Norfolk, Va.
GARDNER, FRANCIS SALTUS.....New York City

GITHENS, THOMAS F., B.S. C. C. N. Y. 1909 ..... New York City
GROSSBAUM, LOUIS, B.S. 1910 ..... New York City
HAYDEN, LLOYD FOWLER ..... White Plains, N. Y.
HIRT, EDWARD LOUIS ..... Yonkers, N. Y.
HOLTZMAN, PAUL JACOBS ..... Indianapolis, Ind.
ISRAEL, ALBERT HERMAN ..... New York City
KOHLBUSCH, ARTHUR HERMAN ..... New York City
LEVKOWITS, ALBERT ..... New York City
MACCOULL, NEIL, JR ..... New York City
MCGILL, HARRY EARL ..... Washington, D. C.
ROBINSON, CHARLES R ..... St. Louis, Mo.
RUPRECHT, WALTER ERNST ..... New York City
SHAW, JAMES J ..... White Plains, N. Y.
STONE, EDWIN WADSWORTH, B.S. 1911 ..... New York City
SWALLOW, HOWARD JOHN ..... New York City
SYSKA, ADOLPH ..... New York City

[25]

CHEMICAL ENGINEERING

BASSECHES, JOSEPH LAZARUS ..... New York City
BLUMENTHAL, ALEXANDER S ..... Maywood, N. J.
BURKHARD, WALTER EDWIN ..... Jersey City, N. J.
CHILDS, STERRY HUNT, B.S. 1911 ..... New York City
DICKIE, FRANK EVANS, A.B. Acadia 1909 ..... Middleton, Nova Scotia
DURKEE, MORRIS MALAN ..... New York City
GINSBERG, ISMAR, B.S. 1911 ..... New York City
JABINE, THOMAS ..... Yonkers, N. Y.
JUNG, PHILIP, JR ..... New York City
MACLEAN, GORDON ..... New York City
MCKNIGHT, WILLIAM ALBERT, B.S. Valparaiso 1910 ..... New Kensington, Pa.
MEYER, ABRAHAM PAUL ..... St. Louis, Mo.
PHILLIPSON, BRAINERD FISCHER ..... New York City
REVSON, RAPHAEL FRANK, B.S. Georgia 1910 ..... Atlanta, Ga.
SCHWEIZER, JAMES ARMSTRONG ..... Watertown, N. Y.
SHEPARD, MORRIS GOODWIN ..... Cortland, N. Y.
SPALTHOFF, WILLIAM D ..... Forest Park, N. Y.
WILCOX, DANIEL APPLETON ..... Garden City, N. Y.

[18]

METALLURGY

BANGSER, WILLIAM ..... Lebanon, Pa.
BLAUT, SAMUEL JOSEPH ..... New York City
BLOW, ALLMAND MATTESON ..... Ware Neck, Va.
HYDE, REED WARREN ..... Joliet, Ill.
JOHNSTON, RODERICK L ..... New York City
KOENIG, EDWARD HARRY ..... New York City
MCLAUGHLIN, WARNER, A.B. Harvard 1909 ..... New York City
NEWHOUSE, EDGAR L., JR ..... New York City
O'DONNELL, ADRIAN V ..... New York City
RINEK, JOHN O., E.M. Lafayette 1911 ..... Easton, Pa.
WOODWORTH, SELIM E ..... Berkeley, Calif.

[11]

CHEMISTRY

BILHUBER, ERNEST AUGUST ..... Maywood, N. J.
SACHS, ALBERT PARSONS ..... New York City

[2]

Sanitary Engineering

Applebaum, Samuel B., B.S. C. C. N. Y. 1910 ..... New York City
Jacobs, Harold H ..... New York City
[2]

THIRD YEAR—CLASS OF 1913

Mining Engineering	54
Civil "	50
Electrical "	21
Mechanical "	25
Chemical "	18
Metallurgy	11
Chemistry	2
Sanitary Engineering	2
Total	183

ECOND YEAR—CLASS OF 1914

Mining Engineering

Barrett, Theodore Harvey ..... New York City
Bird, Henry Edgar, Jr ..... Mt. Vernon, N. Y.
Bissell, Karl Hauck ..... New York City
Brister, Charles Melville, Jr., B.S. Virginia Military Institute 1911 ..... Petersburg, Va.
Coope, George Frederick ..... Douglaston, N. Y.
Cornelissen, John ..... New York City
Downing, George S ..... Albany, N. Y.
Eichrodt, Charles Wharton, A.B. Indiana 1911 ..... Indianapolis, Ind.
Foote, Frederick William ..... Englewood, N. J.
Fox, Walter Victor ..... New York City
George, Harry Leslie ..... New York City
Goldman, Paul ..... New York City
Hadsell, Irving W ..... New York City
Kupferstein, Joseph Thomas ..... New York City
Lee, Leland ..... Monterey, Mexico
Lipman, Leon ..... New York City
MacCarthy, Charles Franklin ..... Des Moines, Iowa
McGinnis, Russell Castree ..... Evanston, Ill.
Miller, James S ..... Hoosick Falls, N. Y.
Moss, Hugo Harry ..... Mexico City, Mexico
Patterson, George Schroter ..... Denver, Colo.
Robson-C., Thomas, Mng. Labourer, Potosi 1909 ..... Potosi, Bolivia
Schrader, Franz ..... Annadale, N. Y.
Sen, Jane-shi Tsoo En, B.S. Peking 1909 ..... Kwei-chow, China
Steffen, Gustave W ..... New York City
Stern, William ..... Newark, N. J.
Williams, Edward Ingham ..... New York City
Work, John Clinton, Naval Arch. Glasgow 1905 ..... Oyster Bay, N. Y.
Yablick, Max ..... Newark, N. J.
Zimmer, Siegfried H ..... New York City
[30]

Civil Engineering

Atkinson, Guy ..... New York City
Boyle, Cornelius A ..... New York City

BOYLSTON, EDWARD JAMES, JR. ..... New York City
BRAGER, BENJAMIN ..... New York City
BRAVERMAN, LEWIS ..... New York City
BROPHY, FRANK P. ..... Yonkers, N. Y.
CARROLL, JOHN JOSEPH ..... North Pelham, N. Y.
CLEARY, CHARLES NORMAN ..... New York City
COURSEN, WALLACE MELVILLE ..... Newark, N. J.
CRAFT, LA VERNE R. ..... New York City
CREAMER, WILCOX ASTEN ..... New York City
ENGLEBARDT, ISADORE J. ..... Jersey City, N. J.
FISHGRUND, HENRY, B.E. Cooper Union 1911 ..... New York City
FRIEDMAN, WILLIAM ..... New York City
FURSTENWALDE, HENRY CURT, A.B. 1911 ..... New York City
GREENBURG, LEONARD ..... New York City
GRETSCH, HERBERT ..... New York City
KANNENGIESER, MAX ..... New York City
KAUFMAN, WILLIAM ..... New York City
KNOPF, SAMUEL HAMILTON ..... New York City
KREFELD, WILLIAM JOHN ..... New York City
LAPIDUS, ARON ..... New York City
LICHTENSTEIN, LOUIS ..... New York City
LUCAS, ANTHONY FITZGERALD, JR. ..... Washington, D. C.
LUNDBORG, HERBERT CLARENCE ..... New York City
MASON, HENRY HOELZLE ..... New York City
MAZE, MONTGOMERY, JR. ..... New York City
MONTGOMERY, PHILIP O'BRYAN ..... New York City
NACHT, VICTOR ..... New York City
NOSITZER, GEORGE ..... New York City
OHLSSEN, WILLIAM C. ..... New York City
QUATTLEBAUM, SELBY, B.S. South Carolina 1909 ..... Columbia, S. C.
RENSHAW, ALFRED ..... Noroton, Conn.
RICHARDSON, GEORGE WASHINGTON, JR. ..... New York City
ROBERTS, RICHARD BLEVIN, JR. ..... New York City
ROGOW, SYDNEY ..... New York City
ROSENZWEIG, MORRIS ..... New York City
SHAPIRO, RUBIN ..... New York City
SIFF, LESTER ..... New York City
SIMMONDS, FRANK HOMER ..... Yonkers, N. Y.
SLADE, ERNEST BEWLEY ..... New York City
ULLRICH, A. R. ..... New York City
UNGARLEIDER, MAX EMANUEL ..... New York City
WALLACE, OTIS ALEXANDER ..... New York City

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ELECTRICAL ENGINEERING

COBB, FRANCIS C. ..... St. Paul, Minn.
FISHER, JOEL ELLIS, JR., A.B. Yale 1911 ..... New York City
FISHER, SYDNEY ..... New York City
FOSTER, JOSEPH TURNER ..... Jersey City, N. J.
GOLDSTEIN, WILLIAM MORRIS ..... New York City
HAZEN, CONRAD P., B.S. Dartmouth 1906 ..... Norwich, Vt.
KOUKOL, CLEMENT JOHN ..... New York City
KRONHEIMER, ALFRED S. ..... New York City
LUHRS, HARRY ..... New York City
NOLTE, ALBRECHT CHARLES ..... New York City
RICE, ISAAC LEOPOLD, JR. ..... New York City

SMITH, STANLEY WATSON.....New York City
WELCH, WALTER.....Scarsdale, N. Y.
[13]

MECHANICAL ENGINEERING

BAUMEISTER, PHILIP.....New York City
DOYLE, WILLIAM L. H.....Buffalo, N. Y.
HARRIS, ROBERT W.....New York City
HARVEY, WILLIAM JOHN.....New York City
HINE, RUSSELL CURTIS.....Cornwall, N. Y.
JARECKIE, EUGENE ALBERT.....New York City
LATHROP, THOMAS SPENCER.....Yonkers, N. Y.
PETERSEN, ARTHUR E.....Monmouth Beach, N. J.
PIPEROUX, RENÉ PIERRE.....Jersey City Heights, N. J.
RAYENS, CHARLES ERWIN.....New York City
SCHMIDT, FRANCIS BERTRAM.....New York City
SENGSTAKEN, JOHN HENRY.....New York City
STEWART, JAMES ALEXANDER.....New York City
WAITE, JOHN, A.B. Harvard 1911.....Boston, Mass.
WAKEFIELD, GERALD ROSS.....Highland Falls, N. Y.
WILSON, WALTER J.....East Bradford, Pa.
[16]

CHEMICAL ENGINEERING

ALEXANDER, JOSEPH J., B.S. C. C. N. Y. 1911.....New York City
BACHER, HOLLAND ROBERT.....New York City
BYRON, OSCAR.....Jersey City, N. J.
CHUN, YEN-SHON.....Changsha, China
CLOUD, CHARLES BLAKE.....Tyringham, Mass.
COHEN, MORTIMER J.....New York City
DITTMER, JOSEPH CLAUDIUS.....New York City
DRUCKER, SAMUEL.....New York City
GERSHON, VICTOR.....New York City
HARRISON, GEORGE I.....New York City
KIEFER, KENNETH HALL.....Bridgeport, Conn.
KIRSCHSTEIN, JULIUS.....New York City
MACDONALD, FRANCIS.....New York City
MANDLE, HENRY HAYMAN.....New York City
MASSON, HENRY J.....New York City
O'KANE, ROBERT GUY.....New York City
OLT, HENRY.....New York City
PERSON, CLARENCE.....Syracuse, N. Y.
ROON, LEO, Ph.C. 1910.....Port Washington, N. Y.
SCHWARZ, MAURICE.....New York City
SEE, MILTON, JR.....Mt. Vernon, N. Y.
STEIN, JEROME DAVID.....New York City
STREETER, HARRISON G.....Pattenburg, N. J.
WURSTER, WILLIAM FREDERICK.....New York City
ZIA, ZAU CHEE.....Shanghai, China
[25]

METALLURGY

BRIMBERG, JACOB.....New York City
COLQUHOUN, WILLIAM WALLACE.....Tunbridge Wells, England
MELITZER, EMANUEL B.....New York City

QUINN, HERMAN ..... Great Neck, N. Y.
SADTLER, CHESTER BENJAMIN ..... Denver, Colo.
WOOD, ROY UDELL ..... New York City
[6]

CHEMISTRY

BENTKOWSKI, HENRY CASIMIR ..... New York City
EHRLICH, JACOB ..... New York City
GEIGER, JEROME CHARLES ..... New York City
GILBERT, FREDERICK BOYÉ ..... New York City
HARRIS, CLARENCE PEAVY ..... New York City
HERTZ, NORMAN CORNELIUS ..... Newark, N. J.
LANDMAN, EVERETT SOLOMON ..... New York City
MANN, LEWIS T ..... New York City
SIEGLER, LOUIS ..... New York City
TENNEY, DWIGHT ..... Montclair, N. J.
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SANITARY ENGINEERING

HAVENS, WILLIAM WESTERFIELD ..... New York City
[1]

SECOND YEAR—CLASS OF 1914

Mining Engineering	30
Civil "	44
Electrical "	13
Mechanical "	16
Chemical "	25
Metallurgy	6
Chemistry	10
Sanitary Engineering	1
Total	145

FIRST YEAR—CLASS OF 1915

ALDEN, JOHN WOODS ..... Newark, N. J.
ALLEN, EDWIN THOMAS ..... Buffalo, N. Y.
ALLEN, HAROLD FELTON ..... Washington, D. C.
ALTENBERG, LEO ..... New York City
ARCE, JOSÉ MARÍA ..... Santo Domingo, Costa Rica
ARMSTRONG, JOSEPH WILLIAM ..... New York City
BAENA, LOUIS CARLOS ..... New York City
BALMFORD, J. ARTHUR ..... New York City
BANKS, REGINALD MARSH ..... Boonton, N. J.
BARNABY, RALPH STANTON ..... New York City
BARRETT, OLIVER COOLIDGE ..... Ware, Mass.
BARTLETT, JOHN HOWARD ..... West Orange, N. J.
BAXTER, CHANNING WHEELER ..... New York City
BEATTY, RUSSELL LAWRENCE ..... New York City
BELKNAP, BENJAMIN HAROLD ..... Leonia, N. J.
BENSON, REYNOLDS ..... New York City
BENTON, WILLIAM E ..... Saratoga, N. Y.
BERGHORN, WALTER HENRY ..... Jersey City, N. J.
BERNER, FRANK ..... New York City

BLANCHARD, DONALD.....New York City
BLATT, EDWARD.....New York City
BLAUVELT, HOWARD G.....Nyack, N. Y.
BLEECKER, ANTHONY LISPENARD.....Palisades, N. Y.
BODENHEIMER, IRVING HENRY.....New York City
BODZINER, JOSEPH.....New York City
BOHLIN, HOWARD GRENVILLE.....Ridgefield Park, N. J.
BORSUK, ROBERT.....New York City
BOWER, SETTONE CABOT.....New York City
BOWERS, STEWART WILSON.....New York City
BRADFORD, HARRISON JOSIAH.....Reading, Pa.
BRANDENBURG, HARRY.....New York City
BROOKS, LEVERICH VAN VOORHEES.....New York City
BROPHY, WILLIAM EDWARD.....Yonkers, N. Y.
BROUGHTON, HAROLD EARLE.....Hackensack, N. J.
BUNCKE, HARRY JACOB.....Whitestone, N. Y.
CHAN, CHUN YOUNG.....Honolulu, Hawaii
CHAZEN, RUDOLPH, Equiv. A.B. Mitau 1910.....New York City
CLAGHORN, D. MONTGOMERY.....Tacoma, Wash.
COBDEN, PHILIP EDWARD.....Larchmont, N. Y.
COHEN, HARRY.....Norwich, Conn.
COHN, MARTIN B., JR.....New York City
COLLETTI, IGNATIUS MICHAEL.....New York City
COSTELLO, CHRISTOPHER H., JR., B.S. Spring Hill 1910.....Mobile, Ala.
COURSEN, HERBERT PRESTON.....Newark, N. J.
CRAMP, ARNOLD P.....New York City
CRAWFORD, JOHN FRANKLIN.....New York City
DANEHY, CARL C.....New York City
VON DEESTEN, ARTHUR PETER.....New York City
DENNEHY, JOHN JOSEPH.....Rye, N. Y.
DICKINSON, JULIAN ALLEN.....New York City
DONNELLY, RICHARD.....New York City
EDEBOHLS, FRANK EDWARD.....New York City
EDWARDS, JOSEPH BALL.....New York City
EICHENBERG, MARK A.....New York City
ELIAS, NATHAN MANDEL.....New York City
ERHARD, ZACHARY.....New York City
ERNST, HERMAN.....East Orange, N. J.
ESSER, ALVAH ERNEST.....Yonkers, N. Y.
EYNON, WILLIAM.....New York City
FAGAN, JAMES FRANCIS.....New York City
FAILLA, GIOACCHINO.....New York City
FISHEL, JESSE.....New York City
FRANKEL, SAMUEL.....New York City
FRENCH, HERBERT JAMES.....New York City
FRIEDRICH, PAUL ERNEST.....New York City
FUHRER, OSCAR A.....New York City
FULLER, RUSSELL B.....Locust Valley, N. Y.
GARDNER, EDWARD MERRILL.....New York City
GARRISON, HYATT M.....Yonkers, N. Y.
GLADSTEIN, JOSEPH.....New York City
GLIMM, WILLIAM FREDERICK, JR.....Jersey City, N. J.
GOLDSTEIN, JACOB.....New York City
GORDON, WILLIAM E.....New York City
GRIGG, JAMES R. JR.....New York City
GROSS, PAUL LIVINGSTON.....New York City

HAMDI, ABDULLAH.....Constantinople, Turkey
HARDING, JOHN PHELPS.....Saranac Lake, N. Y.
HARRIS, ADRIEL.....New York City
HARWOOD, HAROLD ROBERT.....Warren, Mass.
HAURY, ANTON FREDERICK.....Elizabeth, N. J.
HAWK, KARL WHITTINGTON.....Belvidere, N. J.
HERMAN, MARK ROBERT.....New York City
HILDRETH, CHARLES LEWIS, JR.....Southampton, N. Y.
HIRSCH, ISADOR.....Newark, N. J.
HOENNINGER, CHARLES G.....New York City
HORTON, ALLEN J.....New York City
HOWARD, JAMES EDWARD.....Rye, N. Y.
HOWRY, HAMILTON HUBBARD.....Denver, Colo.
IVERSON, MARTIN CHRISTIAN.....New York City
JAKWAY, PAUL RUSSELL.....Durango, Colo.
JEANNERET, ANDRÉ.....East Rutherford, N. J.
JOHNSON, JAMES W.....Oswego, N. Y.
JOHNSON, S. TAYLOR, JR.....Croton-on-Hudson, N. Y.
KING, HAROLD BECKWITH.....Sound Beach, Conn.
KLEIN, HENRY.....New York City
KLEIN, KARL F.....New York City
KRAUS, WALTER F.....New York City
KROLMAN, WALTER JOHN.....New York City
KUHN, SALLY.....New York City
LAUBER, HERBERT CROW.....Montclair, N. J.
LEVY, JULIUS.....New York City
DE LIMA, MARCELLO FRANCISCO.....St. Paulo, Brazil
VAN DER LINDE, VICTOR GRANVILLE.....East Orange, N. J.
LINICUS, HARRY.....New York City
LIVINGSTON, WILLIAM S., JR.....New York City
LOMAX, EDWARD LLOYD, JR.....San Francisco, Calif.
LUM, SAMUEL CLARK, JR.....Elizabeth, N. J.
MCKENNA, JOHN ARTHUR, JR.....Westbury, N. Y.
MARGON, SOLOMON.....New York City
MECHANIC, JACOB.....New York City
MILLER, HAROLD JAMES.....New York City
MILLMAN, ISIDOR SAMUEL.....New York City
MORGAN, WILLIAM FELLOWES, JR., A.B. Harvard 1910.....Short Hills, N. J.
MOSSMAN, JOHN MALCOLM, JR.....New York City
MUESER, EMIL.....New York City
MÜLLER, CHARLES ALBERT.....New York City
MURRAY, EDWARD WILLIAM.....New York City
NAUSS, HENRY GEORGE.....New York City
NAVON, SAM.....New York City
O'CONNOR, GEORGE WATSON.....New York City
OLERI, FRANK.....New York City
OLMSTED, CLARENCE EDWARD.....Los Angeles, Calif.
ORMSBEE, RANDALL HOLDEN.....El Paso, Texas
ORTHEY, GEORGE FREDERICK.....New York City
PALEN, HENRY WOOD.....New York City
PECHAR, RICHARD GUSTAVUS.....New York City
PECK, JOHN SANFORD.....New York City
PELL, VAN DYNE.....New York City
PELTZ, GORDON MILLIGAN.....Elmhurst, N. Y.
PICCIRILLI, PASQUALE JOSEPH.....New York City
PILNACEK, EDWARD.....New York City

Pressner, Samuel	New York City
Raabin, Herman David	New York City
Reid, William Eglinton	New York City
Roché, Jean Alfred	New York City
Roland, Percy William	New York City
Sand, Harvey	New York City
Sandhusen, Louis Henry	New York City
Scales, Samuel B	Jersey City, N. J.
Schachtel, Herbert Arthur	New York City
Schrader, Joseph H	Far Rockaway, N. Y.
Schumann, Charles Henry, Jr	New York City
Schwartz, Abraham	New York City
Shibuta, Ichiro	Fukuoka, Japan
Silliman, Halsey Ernest	New York City
Skarvan, Stanley Joseph	New York City
Sohon, Frederick Wyatt	New York City
von Sothen, Carl Earnest Herman	New York City
Spalding, Samuel Clyde	New Rochelle, N. Y.
Spooner, Ray Newhall	New York City
Springer, William Moore	New York City
Spurny, Emil	New York City
Stahlschmidt, William	New York City
Stehlby, Ernest Theodore	New Rochelle, N. Y.
Steindler, Leslie Lobner	New York City
Sterricker, John	New York City
Stevens, Clarence E	Newark, N. J.
Stone, Clarence George, Jr	Mt. Vernon, N. Y.
Strohmeyer, Henry Albert, Jr	Montclair, N. J.
Taylor, Theodore Clinton	Mt. Vernon, N. Y.
Tracy, Frederick S	New York City
Vail, Carl Waldemar	Passaic, N. J.
Valentine, Roy Hotchkiss	New York City
Vogel, Oscar M	Cerro de Pasco, Peru
Washington, Bowden	New York City
Weeks, Hugh Arnoldia	New York City
Welling, Lindsay	New York City
Welsh, Francis De Sales	South Amboy, N. J.
Weyant, John Augustus	Yorktown, N. Y.
Wille, Valentine, Jr	New York City
Williamson, Robert Gordon	Greenwich, Conn.
Witzell, Paul	New York City
Wohlgemuth, Maurice W	New York City
Woodcock, Frank Willard	New York City
Wright, Frederick Sylvester	Belt, Mont.
Yang, Sui Chi	China
Youmans, Edward Livingston	Mt. Vernon, N. Y.
Zavedovich, Moses	New York City
Zuniga, Ismael, Jr	Chihuahua, Mexico

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Non-Matriculated Students

Biklé, Paul Fiery	New York City
Cleveland, Elmer Norcross	New York City
Cohen, Isaac T	New York City
Danziger, Charles S., B.S. C. C. N. Y	New York City

KARRICK, SAM N.....Salt Lake City, Utah
MCINTYRE, KENNETH ARNON.....Mt. Vernon, N. Y.
MALBY, SETH GRANT, M.E. Cornell.....Ogdensburg, N. Y.
MILLNER, JAMES ADAIR.....Saltville, Va.
WARREN, GEORGE HENRY, JR., A.B. 1910.....New York City
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SUMMARY

	Second Year	Third Year	Fourth Year	Totals
SCHOOL OF MINES:				
Mining Engineering	30	54	45	129
Metallurgy	6	11	3	20
SCHOOL OF CHEMISTRY:				
Chemistry	10	2	3	15
Chemical Engineering	25	18	15	58
SCHOOL OF ENGINEERING:				
Civil Engineering	44	50	25	911
Electrical Engineering	13	21	10	44
Mechanical Engineering	16	25	31	72
Sanitary Engineering	1	2	1	4
	145	183	133	461

FIRST-YEAR CLASS	179
NON-MATRICULATED	9
STUDENTS FROM COLUMBIA COLLEGE	13
Total	662

Ten matriculated in the Schools of Mines, Engineering, and Chemistry, attended the Summer Session of 1911, but did not register for the first term of 1911–12.

FACULTY OF POLITICAL SCIENCE

The Faculty

The President of the University
Dean BURGESS
Associate Dean CARPENTER
Professors BEARD, BOTSFORD, CHADDOCK, [1] CLARK, DEVINE, DUNNING, GIDDINGS, [1] GOODNOW, GUTHRIE, JOHNSON, LINDSAY, MOORE (J. B.), MOORE (H. L.), MUSSEY, OSGOOD, [2] ROBINSON, SEAGER, SELIGMAN, SHEPHERD, [2] SHOTWELL, SIMKHOVITCH, SLOANE, SMITH (MUNROE), SUZZALLO, TENNEY

Officers of the Faculty

Professor BURGESS.....*Dean and ex-officio Member of the University Council*
Professor CARPENTER...*Associate Dean and ex-officio Member of the University Council*
Professor SHEPHERD.....*Secretary*
Professor MUNROE SMITH (Term expires 1913)....*Elected Delegate to the University Council*
Professor GOODNOW (Term expires 1914).....*Elected Delegate to the University Council*
Professor SELIGMAN.....*Chairman Standing Committee on Instruction and ex-officio Member of the University Council*

Standing Committee on Instruction: Professors SELIGMAN (*Chairman*), GOODNOW, MUNROE SMITH, DUNNING, and GIDDINGS

GENERAL STATEMENT

The Faculty of Political Science, established in 1880, has charge of the university courses of instruction and research in political and social science, including history, economics, public law, and comparative jurisprudence. Any duly matriculated university student is at liberty to combine courses of study and investigation under this Faculty with courses offered by other Faculties of the University. Women who hold a baccalaureate degree are admitted to the School of Political Science as students in history, economics, and social science and may become candidates for the higher degrees.

[1] Absent on leave second half-year. [2] Absent on leave first half-year.

Students are received either as candidates for the degrees of Master of Arts and Doctor of Philosophy (see "Regulations for University Degrees," page 188 *et seq.*), or as "non-matriculated students," to pursue special or partial courses.

It is the purpose of the School of Political Science to give a complete general view of all the subjects of public polity, both internal and external, from the threefold point of view of history, law, and philosophy. The prime aim is, therefore, the development of all the branches of the political and social sciences. The secondary and practical objects are:

(*a*) To fit young men for the public service.

(*b*) To give an adequate economic and legal training to those who intend to make journalism their profession.

(*c*) To supplement, by courses in public law and comparative jurisprudence, the instruction in private municipal law offered by the Faculty of Law.

(*d*) To educate teachers of history, economics, social science, public law, and jurisprudence.

COURSES OF INSTRUCTION

For information regarding the courses offered in 1911–12 see statement under groups of subjects, as follows:

Economics and Social Science, page 92.

History and Political Philosophy, page 118.

Politics, Public Law, and Comparative Jurisprudence, page 125.

For more detailed accounts of the courses and for the tender of 1912–13, application should be made for the *Announcement of the Division of History, Economics, and Public Law.*

Attention is also called to the separately printed pamphlet entitled *Faculties of Political Science, Philosophy, and Pure Science*, which may be had upon application to the Secretary of the University.

Yale-Columbia Courses in Preparation for Foreign Service

A system of courses has been inaugurated by Yale University and Columbia University, to prepare students for work in foreign countries, either in the service of the United States Government, in business enterprises, or as missionaries or scientific investigators.

The courses are intended to make the student familiar with the general subjects required for successful work in foreign countries and to enable him, by means of this knowledge, to gain quick mastery of special problems that present themselves in diverse occupations and regions. More special courses of instruction are intended to convey knowledge relating to particular regions in which the student intends to carry on his work.

The successful completion of the courses offered, which will normally

occupy three years in the case of candidates for the consular service, and two years in the case of candidates for other foreign service in special fields, will entitle the student, on recommendation of the joint committee in charge of the course of studies, to an appropriate certificate signed by the Presidents of Yale University and Columbia University. Subject to the rules of the two coöperating institutions, candidates for certificates are admitted to candidacy for the regular academic degrees.

The course of study is framed primarily for graduate students, but it is also open to specially qualified students who have not completed the full college course. Students are expected to have completed successfully at least two years of undergraduate work at either Yale University or Columbia College, or to give proof of equivalent training.

Candidates for a certificate must prove their ability to read French or German, and must have completed the regular college courses on the general principles of economics, American history, and European history of the nineteenth century.

The program of studies includes seven divisions: (1) Languages, (2) Geography, (3) Ethnography, (4) History, (5) Religions, (6) Economics, (7) Law.

For detailed information concerning these courses apply to the Dean of the Graduate School, Yale University, New Haven, Conn., or to the Secretary of Columbia University, New York City.

FACULTY OF PHILOSOPHY

The Faculty

The President of the University
Dean BURGESS
Associate Dean CARPENTER
Professors ADLER, AYRES, BAGSTER-COLLINS, BAKER, [1] BOAS, [1] BREWSTER, CATTELL, COHN, [2] DEWEY, DUTTON, EGBERT, ERSKINE, FARRAND, FLETCHER, [3] FULLERTON, GERIG, GOTTHEIL, [2] HERVEY, HIRTH, JACKSON, KNAPP, KRAPP, LAWRENCE, LIVINGSTON, LODGE, LOISEAUX, MCCREA, [2] MCMURRY, MACVANNEL, MATTHEWS, [1] MILLER (D. S.), MONROE, MONTAGUE, MOORE (F. G.), [1] OLCOTT, PERRY, PRINCE, REMY, RUSSELL, SACHS, SAVILLE, SCHICK, [1] STRONG, THOMAS, THORNDIKE (A. H.), THORNDIKE (E. L.), TODD, TOMBO, TRENT, WEEKS, [2] WHEELER, WOODBRIDGE, [2] WOODWORTH, YOUNG

Officers of the Faculty

Professor BURGESS.....*Dean and ex-officio Member of the University Council*
Professor CARPENTER.....*Associate Dean and ex-officio Member of the University Council*
Professor LAWRENCE.....*Secretary*
Professor A. H. THORNDIKE (Term expires 1913)....*Elected Delegate to the University Council*
Professor WOODBRIDGE (Term expires 1914)...*Elected Delegate to the University Council*
Professor MCCREA.....*Chairman Standing Committee on Instruction and ex-officio Member of the University Council*

Standing Committee on Instruction: Professors MCCREA (*Chairman*). LODGE, PRINCE, DEWEY, and A. H. THORNDIKE.

GENERAL STATEMENT

The Faculty of Philosophy, established in 1890, has charge of the university courses of instruction and research in philosophy, psychology, education, anthropology, philology, and letters. Any duly matriculated university student is at liberty to combine courses of study and investi-

[1] Absent on leave 1911–12. [2] Absent on leave second half-year.
[3] Absent on leave first half-year.

gation under this Faculty with courses offered by other Faculties of the University.

Students are received either as candidates for the degrees of Master of Arts and Doctor of Philosophy (see "Regulations for University Degrees," page 188 *et seq.*), or as "non-matriculated students," to pursue special or partial courses.

COURSES OF INSTRUCTION

For information regarding the courses offered in 1911–12, see departmental statements as follows:

Anthropology, page 60.
Classical Philology (including Archæology and Epigraphy), page 83
Education, page 96.
English and Comparative Literature, page 104.
Germanic Languages, page 113.
Oriental Languages
Chinese, page 142.
Indo-Iranian, page 142.
Semitic, page 144.
Philosophy and Psychology, page 150.
Romance Languages, page 165.
Science of Language, page 143.

For more detailed accounts of the courses and for the tender of 1912–13, application should be made for the divisional *Announcement of Ancient and Oriental Languages; Modern Languages and Literatures; Philosophy, Psychology, and Anthropology;* and of Teachers College.

Attention is also called to the separately printed pamphlet entitled *Faculties of Political Science, Philosophy, and Pure Science,* which may be had upon application to the Secretary of the University.

FACULTY OF PURE SCIENCE

The Faculty

The President of the University
Dean BURGESS
Associate Dean CARPENTER
Professors BOGERT, BRITTON, BURTON-OPITZ, BURR, CALKINS, COLE, CRAMPTON, [1] CROCKER, CURTIS, DAVIS, DEAN, DODGE, FISKE, GIES, GRABAU, HALLOCK, HARPER, HISS, HOWE, [2] HUNTINGTON, JACOBY, KASNER, KEMP, KEYSER, LEE, LUCKE, LUQUER, MACCALLUM, MACLAY, MARQUETTE, MITCHELL (H. B.), MITCHELL (S. A.), MORGAN (J. L. R.), MORGAN (T. H.), MOSES, MUNROE, OSBORN, PEGRAM, PIKE, POOR, PUPIN, RICHARDS, SHERMAN (H. C.), SMITH (ALEXANDER), SMITH (D. E.), STEWART, WILLS, [2] WILSON, WOODHULL.

Officers of the Faculty

Professor BURGESS.....*Dean and ex-officio Member of the University Council*
Professor CARPENTER...*Associate Dean and ex-officio Member of the University Council*
Professor COLE.....*Secretary*
Professor WILSON (Term expires 1913).....*Elected Delegate to the University Council*
Professor KEMP (Term expires 1914).....*Elected Delegate to the University Council*
Professor FISKE.....*Chairman Standing Committee on Instruction and ex-officio Member of the University Council*

Standing Committee on Instruction: Professors FISKE (*Chairman*), PEGRAM, KEMP, WILSON, and BOGERT

GENERAL STATEMENT

The Faculty of Pure Science, established in 1892, has charge of the university courses of instruction and research in all branches of pure science. Any duly matriculated university student is at liberty to combine courses of study and investigation under this Faculty with courses offered by other Faculties of the University.

[1] Absent on leave 1911–12. [2] Absent on leave second half-year.

Students are received either as candidates for the degrees of Master of Arts and Doctor of Philosophy (see "Regulations for University Degrees," page 188 *et seq.*), or as "non-matriculated students," to pursue special or partial courses.

COURSES OF INSTRUCTION

For information regarding the courses offered in 1911–12, see departmental statements as follows:

Anatomy, page 58.
Astronomy, page 65.
Bacteriology, page 66.
Biological Chemistry, page 67.
Botany, page 70.
Chemistry, page 73.
Civil Engineering, page 79.
Electrical Engineering, page 101.
Engineering Drafting, page 91.
Geology, page 110.
Highway Engineering, page 81
Mathematics, page 127.
Mechanical Engineering, page 130.
Mechanics, see **Physics**.
Metallurgy, page 132.
Mineralogy, page 134.
Mining, page 135.
Pathology, page 146.
Physics, page 157.
Physiology, page 161.
Zoölogy, page 172.

For more detailed accounts of the courses and for the tender of 1912–13, application should be made for the divisional *Announcement of Biology; Chemistry, Geology, Geography, and Mineralogy; Mathematical and Physical Science;* and of the *Schools of Mines, Engineering, and Chemistry.*

Attention is also called to the separately printed pamphlet entitled *Faculties of Political Science, Philosophy, and Pure Science*, which may be had upon application to the Secretary of the University.

REGISTER OF STUDENTS, 1911–12

Under the Faculties of Political Science, Philosophy, and Pure Science [1]

ABRAHAM, CHARLOTTE ROSE OESTERLEIN, A.B. 1907, A.M. 1908 ..... New York City
Philosophy, Social Economy

ABRAHAM, MATHILDE, A.B. 1909 ..... New York City
Philosophy, Italian

ABRAMS, GEORGE RANDALL ..... Dobbs Ferry, N. Y.
English

ADAM, ROBERT M., A.B. Franklin and Marshall 1911 ..... Temple, Pa.
Sociology

ADAMS, ANNA REGINA ..... New York City
Spanish

ADAMS, ARTHUR BARTO, A.B. South Carolina 1910 ..... Union, S. C.
Political Economy, Social Economy, History

ADAMS, BENJAMIN P., A.B. Wesleyan 1907 ..... Rochester, N. Y.
English, Comparative Literature

ADAMS, FLORA DODSON (MRS.), A.M. 1909, Ph.B. Chicago 1907 ..... Richmond, Va.
German, English

ADAMS, JESSIE BLANCHE, A.B. 1904, A.M. 1906 ..... New York City
Philosophy, Psychology

ADAMS, NUMA P. G., A.B. Howard 1911 ..... Steelton, Pa.
Chemistry

AGHNIDES, NICHOLAS P., LL.B. Ottoman Law School 1909 .... Constantinople, Turkey
Economics, Sociology, Education

ALDEN, ISABEL, A.B. Wellesley 1908 ..... Summit, N. J.
Botany, Education

ALLEN, GEORGE H., JR., A.B. Hamilton 1908, A.M. 1911 ..... Clinton, N. Y.
Sociology

ALLES, ROBERT H., A.M. 1908, B.S. C. C. N. Y. 1906 ..... Ridgewood, N. J.
English, German

ALTSHILLER, NATHAN, Sc.D. Ghent 1911 ..... New York City
Mathematics, Physics

AMANDA, LABARCA H ..... Santiago, Chile
A.B. Liceo Le-Brun de Pinochet, Santiago, Chile, 1901, A.M. University of Chile, 1904
French, Comparative Literature, Education

AMMARELL, RAYMOND R., A.B. Muhlenberg 1911 ..... West Leesport, Pa.
History, Sociology

AMOS, FLORA ROSS, A.B. Toronto, 1902 ..... Aurora, Ontario, Can.
English, Comparative Literature

ANDERSEN, OLAF, Cand. Real. Kristiania 1911 ..... New York City
Geology, Metallurgy, Palæontology

ASTON, WILLIAM, A.B. Lafayette 1911 ..... Wilkes Barre, Pa.
Sociology, Philosophy

AVERY, ELIZABETH, Ph.B. Cornell 1897 ..... New York City
English

[1] Officers in the University who are at the same time pursuing courses for the higher degrees are not included in this list. Wherever the name of a State is given after a degree, it signifies that the student has graduated from the given State University.

BACH, MATTHEW GRUENBERG, A.M. 1911, A.B. Trinity 1910.....New York City
German, French

BACON, BERTHA LILIAN, A.B. Vassar 1902.....New York City
History

BACON, HELEN ESTELLE, Ph.B. Michigan 1892.....New York City
Comparative Literature, English

BAILLIE, CHARLES TUPPER, A.B. Dalhousie 1905, A.M. 1906.....Teaneck, N. J.
Semitics, Greek

BAKER, EDWARD DONALD, A.B. Chicago 1903.....New York City
Political Economy, Social Economy, Administrative Law

BALD, MAACHAH BELL, A.B. Toronto 1885.....New York City
Latin, Education

BALDWIN, BURTON JOHN, A.B. Yale 1903.....New York City
Sociology

BARASCH, MORRIS, B.S. C. C. N. Y. 1909.....New York City
Mathematics, Physics

BARBEE, CONNIE CAZETTE, A.M. 1911, A.B. North Carolina 1910..East Durham, N. C.
Economics, Sociology, History

BEACH, GRACE B., B.S. N. Y. Normal 1894, M.S. N. Y. Univ. 1898.....Pelham, N. Y.
Physics

BEARDSHEAR, WILLIAM M., JR., B.S. Iowa State 1911.....Ames, Ia.
English, Comparative Literature

BEATMAN, AUGUSTUS SAMUEL, A.B. Harvard 1903, A.M. 1904.....Afton, N. Y.
History, Sociology

BECK, EDWARD JOHN, A.B. Central Wesleyan 1906.....Madison, N. J.
Sociology, Economics, History

BEECKMAN, FLORENCE LOUISE, A.B. 1904, A.M. 1905.....New York City
History, Comparative Literature

BELINKOFF, SAMUEL, A.B. 1910.....Bayonne, N. J.
Psychology, Education

BELL, ERIC TEMPLE, A.B. Stanford, 1904, A.M. Washington 1908...Aberdeen, Scotland
Mathematics, English

BELL, FRANCIS MINTA, A.B. Virginia 1909.....Columbus, Miss.
Mathematics, Psychology

BENDER, ANDREW, A.B. Lebanon Valley 1906.....Dillsburg, Pa.
Chemistry, Physics

BENEDICT, ANNA.....New York City
French

BENEDICT, LAURA ESTELLE WATSON, A.B. Chicago 1900, A.M. 1904....New York City
Anthropology, Zoölogy

BENNION, ADAM SAMUEL, A.B. Utah 1908.....Salt Lake City, Utah
English, Comparative Literature

BERGE, FREDERIC OTTO, A.M. 1910.....Tampico, Ills.
Constitutional Law

BERMAN, FLORENCE JULIA, A.B. N. Y. Normal 1911.....New York City
Botany

BERNKOPF, ANNA ELISE.....New York City
German, French, Education

BEST, ETHEL LOMBARD.....Bronxville, N. Y.
Sociology

BEVANS, GEORGE ESDRAS.....Pocomoke City, Md.
A.B. Western Maryland 1906, A.M. Yale 1910
Sociology, Social Economy

BEYER, BARNET JULIUS, A.M. 1910, A.B. Brooklyn Poyltechnic 1908...New York City
English, Comparative Literature

BILDERSEE, ADELE, A.B. N. Y. Normal 1903.....New York City
English, Comparative Literature

BIRKHEAD, LEON MILTON, A.B. McKendree 1910.....Winfield, Mo.
Philosophy, Psychology, Anthropology
BISHOP, FANNY AURILL, A.B. 1911.....New York City
History, Sociology, Social Economy
BISHOP, MERLE L., A.B. Hamilton 1902.....New York City
Mathematics, Education
BLACHLY, FREDERICK FRANK, A.B. Oberlin 1911.....New York City
Public Law, Economics
BLACK, ARMANELLA, Ph.B. Drake 1910.....Greenfield, Ind.
English, French, Spanish
BLAIN, MARY WILLIE, A.B. Toronto 1911.....Toronto, Can.
English, Comparative Literature
BLAKEY, ROY GILLISPIE, Ph.B. Drake 1905, A.M. Colorado 1910.....Boulder, Col.
Economics, Sociology, Public Law
BLANCHARD, BENJAMIN FRANK, A.B. Michigan 1911.....Shelbyville, Ind.
English, Comparative Literature
BLAUVELT, MARTIN EMERSON, A.B. 1905.....Yonkers, N. Y.
Latin, Education, Roman History
BLISS, WALTER PARKS, A.B. Wesleyan 1909, A.M. 1910.....Upper Montclair, N. J.
Bacteriology, Physiology, Chemistry
BLUM, VIVIENNE HENRIETTE, A.B. N. Y. Normal 1910.....New York City
Romance Philology
BOAS, ERNST PHILIP, B.S. 1910.....Grantwood, N. J.
Chemistry, Physiology
BOAS, HELENE MARIE, A.B. 1909, A.M. 1911.....New York City
Botany, Anthropology
DE BOER, JOSEPHINE MARIE, B.S. 1907.....Yonkers, N. Y.
French, Romance Philology, English
BOJESEN, JOHANNE.....New York City
Social Economy
BOLE, GEORGE ADDISON, A.M. 1911, B.S. Geneva 1906.....New York City
Chemistry, English
BOLLER, PAUL FRANKLIN, A.B. Syracuse 1910.....Buffalo, N. Y.
Sociology, Social Economy, History
BONFOEY, EMMA COMSTOCK, A.B. Smith 1902.....Centerbrook, Conn.
English
BOODY, BERTHA M., A.B. Radcliffe 1899.....Brookline, Mass.
Latin, Greek Archæology
BOOKSTABER, PHILIP DAVID, B.S. C. C. N. Y. 1911.....New York City
Social Economy
BORG, EDITH DULCIE.....New York City
Social Economy
BOURNE, AUGUSTUS N., JR., LL.B. 1891, A.M. 1908.....New York City
Public Law
BOUTELLE, HARRIET LANG, A.B. Mt. Ho'yoke 1908.....Chelsea, Mass.
Social Economy
BOWLES, FRANK CARROLL, A.B. Central 1902, A.M. 1903.....New York City
Mathematics, History, English
BOYCE, W. SCOTT, A.B. Wake Forest 1903, A.M. Chicago 1907.....Selwin, N. C.
Sociology, Economics
BOYD, HERBERT ALEXANDER, A.M. 1911, A.B. Toronto 1909.....Sistowel, Ont., Can.
Chinese, English
BRADLEY, HELEN M., A.B. Cornell 1906, A.M. Penn. State 1908.... Southport, Conn.
German, Latin
BRAUM, FRIEDA ALINE, A.B. N. Y. Normal 1907.....New York City
German

BREAM, EDWIN STENART, A.B. Pennsylvania College 1904.....Elizabeth, N. J.
Botany

BREHAUT, ERNEST, A.B. Harvard 1896, A.M. 1897.....Colorado Springs, Colo.
History

BRESSLER, HELEN B., A.B. Lebanon Valley 1905.....New York City
English, Comparative Literature

BRETT, GEORGE MONROE, A.B. Bowdoin 1897.....Auburn, Me.
Mathematics, Physics, Astronomy

BREWER, MARGARET DRYDEN, B.S. 1909.....New York City
Sociology, History, Economics

BREWSTER, ALICE DOROTHY, A.B. 1906, A.M. 1907.....New York City
English, Comparative Literature

BREWSTER, JOHN A., A.B. Harvard 1896.....Geanga Lake, Ohio
Sociology, Economics

BRISTOL, WARREN EDWIN, A.B. Middlebury 1907.....Vergennes, Vt.
Botany, Chemistry

BROADLEY-EAST, ALBERT.....Madison, N. J.
Sociology

BRODIE, DONALD MELROSE, A.B. Oberlin 1911.....Watertown, N. Y.
Sociology, Economics

BROWN, HOMER GRANT, A.B. Toronto 1906.....Ontario, Can.
Philosophy, Psychology, History

BROWN, MELFORD LOSEE, B.S. St. LAWRENCE 1908.....New York City
Philosophy, History

BROWNE, ETHEL NICHOLSON, A.M. 1908, A.B. Goucher 1906.....Baltimore, Md.
Zoölogy, Physiology, Botany

BROWNE, MABEL EMMA, A.B. 1906, A.M. 1908.....New York City
Mathematics, Physics

BROWNE, THOMAS QUINCY, JR., A.M. 1907, A.B. Harvard 1888.....Morristown, N. J.
Geology

BROWNLEE, MAY, A.B. Wilson 1908.....Indiana, Pa.
English, Education

BRUÈRE, HENRY, Ph.B. Chicago 1901.....New York City
Economics, Sociology, Administrative Law

BRUNO, JOHN REV.....New York City
Philosophy, Psychology

BRUNTON, JAMES STOPFORD LANDER, B.Sc. McGill 1910.....Montreal, Can.
Geology, Palæontology, Metallurgy

BUCHER, CHESTER SARBIN, A.B. Oberlin, 1910.....Kansas City, Mo.
Sociology

BUCKISCH, WALTER GERARD MARTIN, A.B. 1910.....Denver, Colo.
English, German

BUCKLEY, HORACE MANN, A.B. Northwestern 1908.....Wilmington, Ohio
Philosophy, History

BUDINGTON, ERNEST GUNTON, A.B. 1902, LL.B., A.M. 1905.....New York City
Constitutional Law, Administrative Law, History

BULSON, MARGARET THERESA, A.B. Radcliffe 1905.....Englewood, N. J.
Latin

BURD, CHARLES GILLETTE, A.B. Amherst 1898.....Patchogue, N. Y.
English, Comparative Literature

BURKE, AGNES MADELEINE, A.B. 1911.....Morristown, N. J.
Sociology

BURLINGAME, ANNE ELIZABETH, A.M. 1910, A.B. Syracuse 1900.....New York City
History, Sociology

BURNETT, MARGUERITE HILL, A.B. Adelphi 1910.....New York City
History, Sociology

BURR, EMILY THORP, A.B. 1911.....Greenwich, Conn.
Psychology, Sociology, Social Economy

BURT, AMY MAUD, A.M. 1904, Ph.B. Vermont 1900.....Swanton, Vt.
History, Sociology

BUSBEE, CHRISTIANA, A.B. Cornell 1905, A.M. 1908.....New York City
Mathematics

CAMERON, WALTER S., A.M. 1911, A.B. C. C. N. Y. 1895.....New York City
Botany, Physics, Chemistry

CAMPBELL, ANNA L., A.B. Washington 1906.....Spokane, Wash.
English, History

CAMPBELL, FLORENCE WILDER, A.B. Mt. Holyoke 1901.....New York City
English

CAMPION, JOHN LEO.....New York City
German, Sanskrit

CANFIELD, LEON HARDY, A.B. Syracuse 1908.....Syracuse, N. Y.
History, Constitutional Law

CAPLES, EDITH JESSE (MRS.), A.B. 1904.....New York City
French, German

CAREY, ETHEL GERTRUDE, Ph.B. Alma 1911.....Harbor Springs, Mich.
English, Education

CARLSON, MARGARET WILHELMINA, A.B. Texas 1909.....New York City
History, Sociology

CARNES, WELCOME D., A.B. So California 1907.....New York City
Social Economy

CARPENTER, RHYS, A.B. 1909, B.A. Oxford 1911.....New York City
Greek, Latin, Philosophy

CARROLL, ALICE, A.B. Wellesley 1906.....Nashville, Tenn.
English, Comparative Literature, Philosophy

CASAMAJOR, MARTHA, A.B. Adelphi 1904.....New York City
History, Political Economy

CASE, BRAYTON CLARKE, B.S. California 1910.....South Acton, Mass.
Botany

CASE, LUCY ADA, A.B. Wisconsin 1911.....New York City
History, Social Economy

CASTRITSY, GEORGE PETER, A.B. Evangelical School, Smyrna 1895.....New York City
Comparative Literature, English

CATTELL, ELETH.....Garrison-on-Hudson, N. Y.
Zoölogy

CHAMBERLAIN, ALBERT EDWARD, A.B. Oberlin 1908.....Oberlin, Ohio
Social Economy, Economics

CHANG, YU JUNG, A.B. Wells 1911.....New York City
Sociology

CHAPMAN, PERCY ADDISON, Litt.B. Princeton 1909, A.M. 1910.....Plainfield, N. J.
Romance Languages, History

CHAZAL, PHILIP MAXWELL, A.B. Charleston 1906.....Charleston, S. C.
Chemistry

CHEN, SHAO-KWAN, A.M. 1911, A.M. Chinese Imperial Univ. 1908..Shanghai, China
Economics, Public Law, Sociology

CHEN WEI FAU, A.M. 1909, A.B. Peking, China 1904.....Peking, China
Metallurgy

CHENOWETH, IRVING SHOEMAKER, A.B. Eureka 1905, A.M. 1907..Chambersburg, Ill.
Sociology

CHIDSEY, HAROLD L., A.B. Lafayette 1909.....Easton, Pa.
Philosophy

CHOW, CHUSHEN, S.B. M. I. T. 1911.....Shanghai, China
Chemistry, Mathematics

CHRISLIP, ABRAM ELZA, A.M. 1911, A.B. Nashville 1901.....New York City
Psychology, Philosophy, Education

CHRISTENSEN, NIELS C., JR.,.....Salt Lake City, Utah
B.S. Utah 1905, M.S. 1910, A.M. 1911
Geology, Palæontology

CHRISTIANSON, ADDIE OLIVE, A.B. N. Y. Normal 1897.....New York City
English, Education

CHU, CHAO HSIN, A.M. 1911, B.S. N. Y. Univ. 1911, A.M. Pekin 1907...New York City
Economics, Sociology, International Law

CLANCY, AGNES WILLIAMS, A.B. Smith 1908.....South Egremont, Mass.
English, Comparative Literature

CLAPP, ELSIE RIPLEY, A.B. 1908, A.M. 1909.....New York City
English, Philosophy

CLARK, ANNA MAY, A.M. 1904, Ph.B. Vermont 1898.....Brookfield, Vt.
Botany, Geology

CLARK, CHESTER CHARLES, A.B. Oklahoma 1910.....Comanche, Okla.
Geology

CLARK, DONALD LEMEN, A.B. De Pauw 1911.....Boston, Mass.
English, German

CLARK, MARY C. G. (Sister St. Francis), A.B. Adelphi 1910.....New York City
History

CLARKE, EDWIN LEAVITT, A.B. Clark 1909, A.M. 1911.....Canon City, Col.
Sociology, Political Economy

CLARKE, MARIE-AGATHE.....New York City
French

CLAUSS-KIRSTEN, MARTHA, B.S. 1906.....New York City
French

CLIFTON, WALTER LEONARD.....New York City
Ph.B. Mississippi 1896, A.B. Nashville 1900
Economics, Sociology, Public Law

CLOYD, GENEVIEVE, A.B. Smith 1897.....New York City
Latin, Greek

COBB, PERCIVAL BARTLETT, A.B. Dartmouth 1904.....New York City
English

COBB, WINIFRED V., A.B. Chicago 1909.....Boston, Mass.
History, English

COBLENZ, ADOLPH, B.S. C. C. N. Y. 1909.....New York City
German, English, Philosophy

COCHRAN, MILDRED WINANS, B.S. George Washington 1907.....Denver, Col.
English, Zoölogy

COFFIN, FRANCIS JOSEPH HOWELLS.....New York City
Sociology

COHEE, ORA JASON, A.B. Wabash 1909,.....New York City
Sociology

COHEN, SAMUEL MEIR, B.S. 1910.....New York City
Psychology, Philosophy

COHN-MCMASTER, ALBERT MARIAN, A.B. 1910.....New York City
French, Romance Philology, German

COLEMAN, CHRISTOPHER BUSH, A.B. Yale 1896, B.D. Chicago 1899..Indianapolis, Ind.
History

COLEMAN, WILLIAM, A.B. Valparaiso 1905.....Woodside, N. Y.
Physics, Mathematics, Education

COLLIER, ELIZABETH BROWNELL, A.B. Vassar 1906.....New York City
English, Comparative Literature

CONGER, MARY RUTGERS MCCRAE, A.B. Vassar 1905.....New York City
Social Economy

CONKEY, MARY VILURA, A.B. St. Lawrence 1901.....New York City
English, Comparative Literature

CONWAY, CATHERINE EUGENIA, A.B. Albany State Normal 1911.....New York City
History, Sociology

COOK, HAZEL MARGARET, A.B. Smith 1906.....New York City
Latin, Roman Archæology, Education

COOPER, FRANCIS LEROY, A.B. Baker 1910.....Delphos, Kan.
Sociology

COOPER, FRANK BRISCOE, A.B. Randolph-Macon 1905, A.M. 1906.....Buena Vista, Va.
Physics, Mathematics, Astronomy

COPLIN, MARY, A.M. 1909, A.B. West Virginia 1906.....Boothsville, W. Va.
English, Education

COPPOCK, GRACE L., A.B. Nebraska 1905.....Shanghai, China
Social Economy

CORRIGAN, MARGARET STONE, A.B. 1904.....New York City
English

COURSON, DELLA, A.B. Lebanon Valley 1907.....New York City
English, Philosophy

COURTICE, WILLIAM NORMAN, A.B. Victoria 1908.....Sound Beach, Conn.
Semitics, Church History

COURTNEY, ARTHUR WILSON, A.B. C. C. N. Y. 1910.....New York City
English, Philosophy

COVELLO, LEONARD, B.S. 1911.....New York City
Romance Languages, English

COX, ALICE BACOM, A.M. 1910, A.B. Cox 1907.....College Park, Ga.
English

COX, GEORGE BENSON.....New York City
A.M. 1911, A.B. Western Univ. (Can.) 1906, B.D. Trinity, (Toronto) 1910
Sociology, Social Economy

CREECRAFT, EARL WILLIS, Ph.B. Franklin 1907.....Franklin, Ind.
Public Law, History

CROCKER, NELLIE JOSEPHINE, B.S. 1907.....Tarrytown, N. Y.
German

CROSSMAN, PETER FLOYD, Litt.B. Princeton 1911.....Newark, N. J.
Chemistry

CROSSON, LILLIAN WALTON.....New York City
Sociology

CROZIER, WILLIAM ANDREW.....Shrewsbury, Pa.
A.B., A.M. Dickinson 1909, B.D. Drew 1909
History

CRU, ROBERT LOYALTY, Equiv. A.M. Paris 1909.....New York City
French, Romance Philology, Comparative Literature

CUEVAS, ROSALIA DEL PILAR, A.B. Adelphi 1909.....New York City
Romance, Economics

CULLEN, ROSE NICHOLLS, A.B. Toronto 1903.....Baltimore, Md.
Sociology

CULLER, ARTHUR JEROME, A.B. Juniata 1908.....Philadelphia, Pa.
Psychology

CULLER, ELMER AUSTIN, A.B. Juniata 1910.....Hartville, Ohio
Philosophy, Psychology

CUNNINGHAM, RAYMOND, A.B. Trinity (Conn.) 1907.....New York City
Sociology

CURTIS, WILLIAM BEECHER, A.B. Univ. of South 1910.....Columbus, Ga.
Sociology

CUSHING, MAX PEARSON, A.B. Bowdoin 1909.....New York City
History, Comparative Literature

CUTLER, CLARA SANFORD, A.B. Mt. Holyoke 1910.....New York City
History, Sociology

DAGGETT, WINDSOR PRATT, Ph.B. Brown 1902.....Auburn, Me.
English, Comparative Literature

DANIEL, WILLIE WELLINGTON.....Columbia College, S. C.
A.B. Columbia, S. C. 1907, A.M. 1909
English, History, French

DANN, HARVEY MONTGOMERY, A.B. Syracuse 1898.....East Orange, N. J.
Latin, Greek, History

DARDEN, WILLIAM ARTHUR, A.B. North Carolina 1910.....Freemont, N. C.
English, Comparative Literature

DARGON, MARION, JR., A.B. Wofford 1909.....Spartanburg, S. C.
Philosophy

DARLINGTON, HENRY VANE BEARNS, A.B. 1910.....Harrisburg, Pa.
Sociology, Economics

DAVIDOWITZ, HARRY SOLOMON, B.S. 1910.....New York City
Semitics, Ethics

DAVIES, THOMAS, A.B. Kings Coll., Can. 1899, A.M. 1902.....New York City
History

DAVIS, AIDA L.....New York City
German, French

DAVIS, ALICE, Ph.B. Chicago 1909.....New York City
History, English

DAVIS, SARAH ELLEN, A.B. Bryn Mawr 1903.....Salem, N. J.
Zoölogy, Botany, Chemistry

DEAM, THOMAS MARION, A.B. Indiana 1908.....Bluffton, Ind.
History

DEBON, AMÉDÉE JOSEPH, M.D. 1911.....New York City
Pathology

DECKER, ANNA S., B.S. 1910.....Lowville, N. Y.
German

DE CON, NELLIE MAUDE, B.S. 1907.....Jersey City, N. J.
English, Education

DELANY, M. JOSEPHINE, A.B. St. Lawrence 1904.....New York City
Physics, Mathematics

DE LEON, SOLON, A.B. C. C. N. Y. 1902.....New York City
Social Economy

DENNIS, PAUL GILL, A.B. Wesleyan 1910.....Madison, N. J.
Sociology

DEWEY, FREDERICK ARCHIBALD, B.S. Mass. Inst. Tech. 1910.....Huntington, N. Y.
Sociology, Economics, History

DEYO, ALFRED LUDLUM, A.B. Williams 1908.....Kingston, N. Y.
English, Comparative Literature

DICKINSON, LUCY DEE, A.B. Washburn 1906, A.M. Kansas 1907..Los Angeles, Calif.
English, Education

DICKSON, ARTHUR, A.M. 1911, B.S. C. C. N. Y. 1909.....New York City
English, Comparative Literature.

DIMMICK, WILLIAM WARREN.....Margaretville, N. Y.
A.M. 1911, LL.B. N. Y. Univ. 1906
Roman Law, English

DODGE, BAYARD, A.B. Princeton 1909.....Riverdale, N. Y.
Sociology

DONNELL, JOHN CHRISTFIELD, A.B. Hobart 1910.....New York City
Sociology

DRAPER, CAROLINE WOOD, A.B. Randolph-Macon 1904..... Oxford, Ala.
Latin, English

DRAPER, OTIS HERBERT, A.M. 1911, A.B. Johns Hopkins 1910...Brooklandville, Md.
History, Philosophy

DRIEHAUS, IRWIN WILLIAM, A.M. 1905, B.S. Cincinnati 1900,.....Cincinnati, Ohio
Sociology, Social Economy

DUNCAN, MARY ELLEN, A.B. Adelphi, 1908.....New York City
Latin, Roman Archæology

DUNCAN, WILLIAM YOUNG, A.B. Yale 1910.....New York City
A.B. Texas 1909, A.M. Stanford 1910
Sociology

DUNN, WILLIAM EDWARD, A.B. Texas 1909, A.M. Stanford 1910.....Austin, Tex.
History, Economics

DUNSEATH, SAMUEL GLOVER, A.M. 1911, A.B. Ursinus 1910.....Pittsburg, Pa.
Economics, Sociology, History

DURSTINE, FLORENCE SARLES, A.B. Wellesley 1901.....New York City
History, English

DWIGHT, MARION, EDITH A.B. Smith 1910.....New York City
Philosophy

EASTMAN, MARJORIE MCCLINTOCK, A.B. 1908.....New York City
Comparative Literature, English

EASTMAN, SAMUEL MACK, A.B. Toronto 1907.....Meaford, Ont., Can.
History, Economics

EBINA, KAZUO, A.M. Imperial Univ. Tokyo.....Tokyo, Japan
History, Public Law

ECCLES, OLIVE L., A.B. Albany State Normal 1911.....New York City
History, Sociology

ECKSTEIN, MOSES, A.M. 1911.....Philadelphia, Pa.
History, Sociology

EDWARDS, GEORGE WILLIAM, A.B. C. C. N. Y. 1911.....New York City
History

EGAN, ROSE F., A.M. 1911, A.B. Syracuse 1910..... Syracuse, N. Y.
Comparative Literature, English

EGERTON, FRANK NICHOLAS, JR., A.B. Trinity 1909, A.M. 1911.....Louisburg, N. C.
Physics, Mathematics

ELDER, JOHN CLIFTON.....New York City
LL.B. Georgia 1901, A.M. Harvard 1910
Constitutional Law, Economics

ELDRIDGE, SEBA, A.B. 1911.....New York City
Sociology

ELLISSON, ESTELLE JAMES, B.S. 1911.....New York City
Psychology, English

ELMENDORF, AUGUSTUS, A.B. 1892.....Jersey City, N. J.
Sociology

ELSON, CHARLES, A.B. Bucknell 1909, A.M. Harvard 1910.....Kane, Pa.
German, French

EMIN, AHMED.....Constantinople, Turkey
Sociology, Public Law, Education

EMMANUEL, MARY, A.B. N. Y. Normal 1908.....New York City
English

ENDERS, HENRY CORNELIUS, B.L. Cooper Union 1905.....New York City
Chemistry, Geology

EPSTEIN, LOUIS M., B.S. 1911.....New York City
Philosophy, Semitics, Sociology

ERDOFY, FRANCES VERA, A.B. N. Y. Normal 1911.....New York City
German, English

ERMIN, EDWARD JONES, A.B. Davidson 1906, A.M. 1907.....Morganton, N. C.
English, Celtic

ERPF-LEFKORICS, T. ARTHUR, A.M. 1910, B.S. C. C. N. Y. 1910.....New York City
Chemistry, Anatomy

FAIRCHILD, CLARISSA WHITE, A.B. Oberlin 1911.....New York City
Social Economy

FANSLER, DEAN SPRUILL, A.M. 1907, A.B. Northwestern 1906.....St. Davids, Pa.
English, Comparative Literature

FANSLER, HARRIOTT ELY, A.B. Northwestern 1902, A.M. 1906.....St. Davids, Pa.
English, Comparative Literature

FARNSWORTH, WILLIAM OLIVER, A.B. Harvard 1893, A.M. 1894..West Somerville, Mass.
Romance Philology, Comparative Literature

FEINGOLD, JOSEPH, A.B. Clark 1911.....Worcester, Mass.
German, French

FELTON, RALPH ALMON, Ph.B. Southwestern 1905.....Hydro, Okla.
Sociology

FERNANDEZ, GRACIA LILIAN, B.S. Maine 1898.....North Dexter, Me.
Romance Philology, French, Comparative Literature

FETTERLY, CLARENCE AUBREY, A.B. Hamilton 1897, A.M. 1900....Rutherford, N. J.
Latin, Education

FETTKE, CHARLES REINHARD, A.M. 1911, B.S. Washington 1910.....Tacoma, Wash.
Geology, Chemistry

FIFIELD, HELEN ANNETTE, A.B. Carleton 1885.....Los Angeles, Calif.
History, Sociology, Economics

FINLAYSON, JOHN DUNCAN, A.B. Michigan 1911.....Sault Ste. Marie, Mich.
Sociology

FISHER, HARRY LINN, A.M. 1910, A.M. 1909.....New York City
Chemistry

FISHER, LIZETTE ANDREWS.....New York City
Comparative Literature, English, Italian

FISK, DANIEL MOORE, B.S. 1910.....New York City
Zoölogy, Geology

FITZ-GERALD, AARON BOYLAN, A.B. 1911.....Dover, N. J.
Sociology, History

FLANIGEN, RUTH, A.B. Vassar 1909.....Woodbury, N. J.
Zoölogy, Physiology

FLEISCHER, ALEXANDER, A.B. Pennsylvania 1908, A.M. Wisconsin 1911 Philadelphia, Pa.
Social Economy, Sociology

FLETCHER, KATHARINE OGDEN, A.B. Smith 1900.....Amherst, Mass.
English, Education

FOCHT, MILDRED, A.M. 1908, A.B. Bryn Mawr 1904.....Plantsville, Conn.
Psychology, Education, English

FOLWELL, ETHEL ANNA, A.B. Nashville 1910.....Nashville, Tenn.
Latin, Greek, Sanskrit

FOOTE, ALICE MAY, A.B. Oberlin 1908, A.M. Western Reserve 1910....Oberlin, Ohio
History, Philosophy

FOOTE, JOHN PAUL, A.B. Adelphi 1908.....New York City
History

FORSYTH, GRACE HOLT, A.B. Stanford 1905.....New York City
Social Economy, Economics, English

FORSYTH, R. K.....New York City
B.S. Rochester 1903, A.B. Indiana 1908, A.M. Stanford 1909
Economics, Sociology, History

FORSYTHE, ROBERT STANLEY, A.M. 1909, B.L. Lincoln 1908.....Lincoln, Ill.
English, Comparative Literature

FORT, CHARLES HENRY GOULD.....Cold Spring Harbor, N. Y.
A.B. Cornell College, Ia. 1908, B.D. Drew 1911
History, English

FOSTER, SARAH P., A.B. Wellesley 1898.....New York City
History

FOX, DIXON RYAN, A.B. 1911.....Potsdam, N. Y.
Public Law, History, Economics

FRANK, MAUDE MORRISON, A.M. 1911, A.B. N. Y. Normal 1907.....New York City
English, Comparative Literature

FRANKE, CLARA E., B.S. 1907.....New York City
German

FRANKLIN, ALBERTA MILDRED.....Atlantic Highlands, N. J.
A.M. 1909, A.B. Wellesley 1904
Latin, Greek, History

FRANKLIN, MAE, A.B. Hamline 1901.....Caldwell, Idaho
Linguistics, Latin, English

FREDMAN, SAMUEL, A.B. Johns Hopkins 1909.....Roanoke, Va.
Philosophy, Sociology

FREEBURG, VICTOR OSCAR, A.B. Yale 1905, A.M. 1908.....Lindsborg, Kan.
English, Comparative Literature

FREIDENRICH, EDYTH, A.B. 1906.....New York City
German, Sociology

FRENCH, CLAYTON T. A., LL.B. 1910, A.B. N. Y. Univ. 1907.....New York City
International Law, Roman Law, History

FRERICHS, HARRISON, M.D., A.B. C. C. N. Y. 1910.....New York City
History, Public Law

FREYGANG, GUSTAV GEORGE, M.E. Stevens 1909.....Union, N. J.
Physics, Mathematics

FRIEDMANN, HENRY, B.S. C. C. N. Y. 1898, A.M. New York Univ. 1902..New York City
Geology

FUJIOKA, YUKICHI.....New York City
Economics

GARABEDIAN, HOVHANNES LAZARUS.....New York City
A.B. Robert College, Turkey 1910
Philosophy, Education, History

GAVIN, HELEN, A.B. N. Y. Normal 1909.....New York City
Physiology, Botany

GEER, HELENA, A.B. Cornell 1903.....New York City
German, French

GERRISH, WILLIAM CHURCHILL, A.M. 1907, A.B. Harvard 1899....New Canaan, Conn.
History, Sociology

GETTLER, ALEXANDER OSCAR, A.M. 1909, B.S. C. C. N. Y. 1904.....New York City
Chemistry, Metallurgy

GIBBONS, WILHELMINA CAROLINE, A.B. Wellesley 1909.....Bird in Hand, Pa.
English, Comparative Literature

GIBSON, CARL CHESNEY, B.S. Denison 1911.....Gibson, Ohio
Chemistry, Education

GIBSON, HEBER H., A.B. Denison 1909.....New York City
Philosophy, Psychology

GIGNOUX, ELISE MESSENGER, A.B. Bryn Mawr 1902.....Great Neck, N. Y.
Chemistry, Botany

GILBERT, GRACE RUSSELL, A.B. Cornell 1907.....New York City
History, Economics

GILDERSLEEVE, NELSON BURROUGHS, A.B. 1911.....New York City
English, Comparative Literature

GILLESPIE, JAMES EDWARD, A.B. Cornell 1909, A.M. Harvard 1910.....Ithaca, N. Y.
History, Sociology

GILMORE, FLOY V., A.B. Washington 1910.....Seattle, Wash.
Social Economy, Sociology

GLASS, META, A.M. Randolph-Macon 1899.....Lynchburg, Va.
Latin, Greek, History

GOLDMAN, AGNES, A.B. Bryn Mawr 1909.....New York City
Psychology

GOLDSMITH, BEATRICE, A.B. Adelphi 1906.....New York City
History, Economics

GOODALE, GRACE HARRIET, A.B. 1899.....Potsdam, N. Y.
Latin, Greek, Roman Archæology

GOODHART, HELEN, A.B. 1907.....New York City
Social Economy, Economics, History

GOODRICH, HUBERT BAKER, B.S. Amherst 1909.....Auburndale, Mass.
Zoölogy, Palæontology

GOODSPEED, GERTRUDE CLIFF, A.B. Bates 1898.....New York City
Social Economy, English

GOODWIN, ETHEL LIZZIE, A.B. 1909, A.M. 1910.....New York City
Economics, Sociology, Mathematics

GOOLD, EDGAR HUNT, A. B. Amherst 1904, B.D. General 1911.....New York City
Philosophy, Comparative Religion

GORDIANO, S. F., A.B. Inst. Cient. Literario (Mexico) 1901.....New York City
Sociology, Philosophy

GOULD, ANNIE LAURA, A.B. Hiram 1898.....Bedford, Ohio
History, Sociology

GOWIN, ENOCH BURTON.....Litchfield, Nebr.
M.D. Iowa State Teachers 1906, Ph.B. Wisconsin 1909, Ph.M. 1910
Sociology, Economics, Anthropology

GRAHAM, WALTER J., A.B. Bates 1911.....Topsham, Me.
English, Comparative Literature

GRAVES, VIRGINIA, A.B. Earlham 1911.....Richmond, Ind.
German, Education

GREEN, ALEXANDER, A.M. 1911, A.B. C. C. N. Y. 1910.....New York City
German, Latin

GREEN, GABRIEL MARCUS, B.S. C. C. N. Y. 1911.....New York City
Mathematics, Physics

GREEN, HOWARD CHARLES, A.B. C. C. N. Y. 1902.....New York City
History, Economics

GREENFIELD, GEORGE SIDNEY, A.B. Harvard 1904.....New York City
English, Comparative Literature, Philosophy

GRIFFIN, EDWARD GRAY, A.M. 1911, B.S. Dartmouth 1910.....Albany, N. Y.
Chemistry

GRINFELD, ISAAC.....New York City
A.M. 1910, B.C.S. New York Univ. 1909
Economics, Sociology, Constitutional Law

GRISWOLD, CHESTER ARTHUR, A.B. Wisconsin 1909.....Waukesha, Wis.
History, Philosophy

GRISWOLD, VIRGINIA ANTOINETTE, A.B. Adelphi 1909.....New York City
English, Comparative Literature

GROSS, BEATRIX HELEN, A.B. N. Y. Normal 1911.....New York City
Chemistry, Botany

GROSS, HENRY ISAAC, B.S. C. C. N. Y. 1906.....New York City
Mathematics

GROSS, RENÉE, A.B. N. Y. Normal 1910.....New York City
History, German

GROVES, JOSEPH, A.B. Trinity 1910.....Poughkeepsie, N. Y.
Sociology

GUBBINS, GENEVRA, A.B. Smith 1909.....New York City
History, Economics

GUENTHER, AUGUST ERNEST.....New York City
B.Sc. Michigan 1898, Ph.D. Johns Hopkins 1905
Physiology

GULLIVER, EUNICE HENRIETTA, B.L. Smith 1891..... Norwich, Conn.
English, Comparative Literature

HACKEDORN, MARION, B.L. Wesleyan 1898.....New York City
German, French, English

HAESSLER, LUISE, A.B. Chicago 1906.....New York City
German, Comparative Philology

HAESELER, PAUL C., B.S. Chicago 1911.....New York City
Chemistry, Geology

HAGEMAN, GEORGE RUSSELL, A.B. 1905..... Tarrytown, N. Y.
Philosophy, History

HAIG, ROBERT MURRAY.....Columbus, Ohio
A.B. Ohio Wesleyan 1908, A.M. Illinois 1909
Economics, Sociology, Administrative Law

HAIGHT, HELEN IVES, A.B. Vassar 1898, Pd.B. Albany Normal 1900.....Auburn, N. Y.
Latin

HALE, WILL TALIAFERRO, A.B., A.M. Vanderbilt 1902, B.D. Yale 1905.... Mobile, Ala.
English, Greek

HALL, CAROLINE DUMONT, A.B. 1906.....New York City
History

HALL, CLIFFORD WATSON, A.B. Wesleyan 1904.....New Canaan, Conn.
English, Education

HALL, JOHN OSCAR, A.B. Denver 1905, A.M. 1905.....St. Paul, Minn.
Sociology, Economics, Social Economy

HALLER, RALPH WOMELSDORF.....White Plains, N. Y.
B.L. Bucknell 1908, A.M. Harvard 1909
German, French

HALLOCK, FRANCES ADELIA, B.S. Mt. Holyoke 1899.....Schenectady, N. Y.
Botany

HALPERN, MORRIS, A.M. 1909.....New York City
Sociology, Economics

HALSEY, KATHARINE CAROLINE.....Lake Forest, Ill.
A.B. Lake Forest 1908, A.M. Illinois 1909
Social Economy

HAMBURGER, NANNETTE F., A.B. 1910.....New York City
English, Celtic

HAMLIN, MARSTON LOVELL, A.M. 1911, A.B. Amherst 1908.....New York City
Chemistry

HAMMOND, ANNA BINGHAM, B.S. 1910.....New York City
History, English

HANNAN, WALTER SHERLOCK, B.S. New York Univ. 1910.....New York City
Physics, Mathematics

HARADA, TAMEZO, B.D. Drew 1910.....New York City
Philosophy, History

HARDY, EDWARD ROCHIE, Ph.B. Boston.....New York City
Economics

HARDY, SARAH DROWNE BELCHER.....New York City
A.B. Boston 1887, M.D. Woman's Medical 1891, A.M. New York Univ. 1900
LL.B. 1901
Social Economy

HARKEY, TULA LAKE, A.B. Colorado 1909.....New York City
Chemistry, Physiology

HARLOW, SAMUEL RALPH, A.B. Harvard 1908.....Grafton, Mass.
Sociology

HARRIS, HARRY CLEVELAND, A.B. Pennsylvania 1908.....New York City
Semitics, Sociology

HARRIS, WILLIAM H., B.D. Yale 1907, A.M. 1909.....New York City
English, Comparative Literature, Ethics

HARROLD, LIDIE, B.Ph. Oberlin 1900.....Damascus, Ohio
German, History

HART, GEORGE WILMOT, Litt.B. Rutgers 1909..... New Brunswick, N. J.
Chemistry, Physics

HARTUNG, ERNEST WILLIAM, A.B. 1910.....New York City
German

HASEMAN, JOHN DIEDERICH, A.B. Indiana 1905, A.M. 1907..... Linton, Ind.
Zoölogy, Physiology, Chemistry

HAYASHI, K.....Kumamoto, Japan
Economics

HAYDEN, JOEL BABCOCK, A.B. Oberlin 1909..... Brentwood, N. J.
Sociology, History, Psychology

HAYDEN, RALPH HENRY, A.B. Bishop's College 1910.....New York City
English

HAYES, CARY WALKER, A.B. Washburn 1909.....New York City
Social Economy

HEADY, JOHN HENRY, A.B. Hobart 1901, A.M. Indiana, 1907.....New York City
Sociology, Economics, Philosophy

HEALY, JOHN ROBERT, A.B. Harvard 1897, B.S. 1899.....New York City
Geology

HEATHCOTE, GEORGE MILTON.....New York City
A.B. Harvard 1905, LL.B. N. Y. Law 1908
Social Economy

HECKER, JULIUS FRIEDRICH, A.B. German Wallace 1910.....New York City
Sociology, Economics, Psychology

HEIDEN, IRMA FANNY, A.B. 1911 .....New York City
Social Economy, Sociology

HEIDENIS, MIRIAM B., A.B. N. Y. Normal 1911.....New York City
History, Sociology

HEILBRUNN, LEWIS VICTOR, A.B. Cornell 1911.....New York City
Zoölogy, Botany, Chemistry

HEINTZE, RICHARD WILHELM .....Mt. Vernon, N. Y.
German, History

HELLMAN, MILO.....New York City
Zoology

HENDERSON, HAROLD GOULD, JR., A.B. 1910.....New York City
Mathematics, Physics, Chemistry

HENDRICKS, ETHEL, A.B. 1905, A.M. 1907.....New York City
Economics

HÉNIN, BENJAMIN LOUIS ANTOINE.....New York City
A.B. Paris 1892, LL.B. 1895, A.M. Brown 1910
French

HERRESHOFF, ANNA FRANCIS, A.B. 1911.....New York City
Mathematics, Astronomy

HERRING, HUBERT CLINTON, JR., A.B. Oberlin 1911.....New York City
Philosophy

HERRMANN, MAY, A.B. 1910.....New York City
Comparative Literature, Philosophy

HERZBERG, MAX J., A.B. 1906.....Newark, N. J.
English, Comparative Literature, Education

HESSE, GEORGE ERNEST, A.B. Ohio State 1910..... Columbus, Ohio
English, Comparative Literature, Education

HEUERMANN, HELENA F., A.M. 1911, A.B. Adelphi 1902.....New York City
German, History

HICKMAN, JOSIAH EDWIN, A.M. 1907, B.S. Michigan 1895.....Provo, Utah
Psychology, Education

HICKS, FREDERICK C.....New York City
Economics, Public Law

HIGGINSON, JAMES JACKSON, JR., A.B. Harvard 1907, A.M. 1908.....New York City
Comparative Literature, English

HILDRETH, PHILO CARPENTER, A.B. Oberlin 1889.....Fairfield, Iowa
History, Social Economy

HILL, ANTOINETTE DYETT, A.B. 1910, A.M. 1911.....New York City
Mathematics, Education, Physics

HILL, LESTER SANDERS, A.B. 1911.....Cleveland, Ohio
Mathematics, Physics

HILLERMAN, IDA, A.B. Mississippi State 1904.....Kosciusko, Miss.
English, Comparative Literature, Education

HINES, ALBERT BARKER, A.B. Allegheny 1910.....New York City
Sociology, Social Economy

HIRSCHENSOHN, NIMA, A.M. 1907.....Hoboken, N. J.
Philosophy, French

HOAGLAND, HENRY ELMER, A.B. Illinois 1910, A.M. 1910.....Prairie City, Ill.
Economics, Sociology, History

HOFFMAN, MAX.....New York City
Semitics, Philosophy

HOGE, MILDRED ALBRO, A.B. Goucher 1908.....Baltimore, Md.
Zoölogy, Physiology

HOLLINGSHEAD, GEORGE GIVEN.....Newark, N. J.
Ph.B. Franklin 1907, Ph.M. 1910, B.D. Drew 1911
Sociology, Economics, English

HOLLINGWORTH, LETA STETTER (MRS. H. L.), A.B. Nebraska 1906....New York City
History

HOLLOWAY, LINDA, A.B. Vassar 1905.....Danbury, Conn.
English, Comparative Literature, Education

HOLLYMAN, JOHNATHAN CLEVELAND, A.B. Missouri 1911.....Atlanta, Mo.
Sociology, Economics

HOLT, SARAH ADALINE, A.B. 1903.....Hingham, Mass.
Economics, History

HONIGMAN, HELEN, A.B. Smith 1911.....New York City
English

HOOKER, BERTA HAMILTON, B.L. Converse 1906.....Memphis, Tenn.
English, Education

HOOPER, ALICE HOWARD, A.B. N. Y. Normal 1909.....New York City
Botany, Geology

HOOPER, M. T., A.B. Univ. of Bishops College 1908.....Toronto, Can.
English

HOOVER, MERLE MONTGOMERY.....Chambersburg, Pa.
A.M. 1911, A.B. Lebanon Valley 1906
English, Education

HOPKINS, MARY DELIA, A.B., A.M. Bryn Mawr 1893.....Clinton, N. Y.
Latin, German

HOPPER, ERNEST JASPER, A.B. St. Stephens 1910.....Hannibal, N. Y
Sociology, Philosophy

HOPSON, ELIZABETH FULLER, A.M. 1911, A.B. Vassar 1905.....Bridgeport, Conn.
History, Social Economy

HOROWITZ, BENJAMIN, B.S. 1911.....New York City
Chemistry, Education

HORTON, BLANCHE WYATT (MRS.), A.B. Greenville 1910.....Hermon, Calif.
English, Education

HORTON, LYDIARD H., A.M. 1911, A.B. Williams 1901.....New York City
Psychology, Physiology

HOWES, EMILY H., A.B. Wesleyan (Georgia) 1898.....New York City
English, Education

HUANG, CHEN SHENG, B.S. 1911.....Tientsin, China
Economics, Social Economy, History

HUBER, JOHN GREENLEEF, A.B. Otterbein 1888, A.M. 1892.....Dayton, Ohio
Economics

HUBERT, JAMES HENRY, A.B. Atlanta Baptist, 1910.....White Plains, Ga.
Sociology

HUENE, AMELIA HERMINE, A.B. N. Y. Normal 1908.....New York City
Latin, Roman Archæology, Education

HUGHES, HARVEY HATCHER, A.B., A.M. North Carolina 1909.....Yorkville, S. C.
English, Comparative Literature

HULL, ARTHUR STANLEY, A.B. Princeton 1903, E.E. 1906.....Scranton, Pa.
Hydraulics

HULL, BLANCHE WYCKOFF, B.S. Smith 1902.....Kalamazoo, Mich.
Social Economy

HURIE, WILEY LIN, A.B. Illinois 1906.....Petersburg, Ill.
Sociology

HURWITZ, SOLOMON THEODORE HALÉVY.....New York City
A.M. 1910, A.B. New York Univ. 1909
Semitics, Arabic, Indo-Iranian

HUTTON, SARAH E., A.B. N. Y. Normal 1905.....New York City
Botany

HYDE, ISABELLA, A.B. Mt. Holyoke, 1901.....New York City
Philosophy, French

HYDE, ROSCOE RAYMOND, A.B. Indiana 1909, A.M. 1909.....Terre Haute, Ind.
Zoölogy

HYMAN, JOSEPH CHARLAP, A.B. 1911.....New York City
History, Sociology

IKEDA, MINORU, A.B. Osaka 1904, A.M. Wisconsin 1911.....Osaka, Japan
Economics, Sociology

ISHAM, ROBERT MELYNE.....Lincoln, Neb.
A.B. Nebraska Wesleyan 1909, A.M. Nebraska 1911
Chemistry, Geology

IZUMI, AKIRA, A.B. Lake Forest, 1907, A.M. Wisconsin 1908.....Hakkaido, Japan
International and Constitutional Law, History

JAEGER, HEINRICH.....Schalksmühle w, Germany
History, Economics, Sociology

JENKINS, HESTER DONALDSON, Ph.B. Chicago 1898, Ph.M. 1899.....Oshkosh, Wis.
History, Turkish

JENNINGS, CORINNE MARIE, A.B. St. Elizabeth 1905.....New York City
English, Mathematics, Education

JEWELL, MARJORIE, A.B. Adelphi 1911.....New York City
English, German

JOCHINSEN, JOHN PETER, A.B. Laurence 1911.....Appleton, Wis.
Sociology, History

JOHNSON, LAMBERT DUNNING, A.B. Cornell 1911.....Jersey City, N. J.
Chemistry

JOHNSON, MARY HOOKER, B.L. Smith 1897.....New York City
English, Comparative Literature

JOHNSTON, HERBERT BAIN, A.B. Toronto 1908.....Weston, Ont., Can.
Philosophy

JONES, HERSCHEL HILDRETH, A.B. DePauw 1911.....Lebanon, Ind.
Sociology

JONES, HUBERT DARRELL.....West Orange, N. J.
History, German

JONES, LESTER MARTIN, A.B. Baker 1909.....New York City
Sociology

JONES, NELLIE LUCRETIA, A.B. Wellesley 1908.....Merrimac, N. H.
Botany, Geology, Education

JONES, OLIN CLARKE, A.B. Allegheny 1907.....Youngstown, Ohio
Sociology

JONES, RICHARD FOSTER, A.B. Texas 1907.....Salado, Texas
English, Greek

JONES, SUSIE MARKHAM.....Waco, Texas
Sociology

JONES, WALTER ROYAL, S.B. Chicago 1909.....Chicago, Ill.
Mathematics, Physics, Chemistry

JORDAN, JOHN CLARK, A.M. 1911, A.B. Knox 1908.....New York City
English, Comparative Literature

JOSEPH, SAMUEL, A.B. C. C. N. Y. 1902.....New York City
Sociology, Economics, Anthropology

JUNGE, ELSA WILHELMINA THERESA, A.B. N. Y. Normal 1909.....New York City
Latin, Education

KAHN, LINA, A.M. 1909, Equiv. A.B. Gymnasium, Libau 1903.....New York City
Philosophy, German

KAHN, MAX, A.M. 1911, M.D. Cornell 1910.....New York City
Chemistry

KAINE, JOSEPH M., B.S. New York Univ. 1910.....New York City
Botany

KALAIDJIAN, MIHRAN TATIOS.....Nyack, N. Y.
A.B. St. Paul's (Tarsus) 1900, B.D. Yale 1905, A.M. 1908
Philosophy, Psychology

KALMBACH, AGNES MARIE, A.B. Cornell 1911.....Philadelphia, Pa.
Romance Latin

KAMIYA SEYI, A.B. Waseda 1907.....Shizuoka-Ken, Japan
Public Law

KAPP, KATHARINE SUSANNA, A.B. Minnesota 1905.....New York City
German, English

KAUFMAN, REUBEN, A.B. Clark 1911.....Worcester, Mass.
Sociology, Semitics, Philosophy

KAVANAGH, EDWARD J., A.B. St. Peters 1898.....New York City
Latin, Education

KEAGEY, ESTHER, A.B. 1900.....New York City
Physical Education

KEELER, STEPHEN EDWARDS, JR., A.B. Yale 1910.....New Canaan, Conn.
English

KEELEY, EMMA MATTESON, A.B. N. Y. Normal 1906.....New York City
English, Comparative Literature

KELEHER, MICHAEL JOSEPH.....New York City
A.B. Georgetown 1904, A.M. St. Francis Xavier 1906
English, Comparative Literature

KELLOGG, SARA LAWRENCE, A.B. Wellesley 1907.....New York City
English, Comparative Literature

KELLS, LYMAN MORSE, A.B. Minnesota 1910.....Sauk Center, Minn.
Mathematics, Education

KELLY, ELIZABETH LORETTO, A.B. Adelphi 1898.....New York City
History, Sociology

KELLY, JAMES PETER, B.S. C. C. N. Y. 1906.....New York City
Botany, Zoölogy

KEMP, WILLIAM CULLEN BRYANT, A.B. 1900, A.M. 1901, LL.M. 1901 New York City
International and Constitutional Law, History

KENNEDY, MELVILLE TALBOT, A.B. Illinois 1904.....New York City
Indo-Iranian

KIDD, HOWARD C., A.M. 1911, A.B. Geneva 1908.....New York City
Economics, Sociology, Public Law

KIDDER, FRANK HOWARD, A.B. Wesleyan 1909.....New York City
German, Education

KING, ANNA V., A.B. California 1907.....Berkeley, Calif.
History

KING, ELIZABETH EDWARDS, A.B. Wellesley 1897.....Trumansburg, N. Y.
Comparative Literature, English

KING, GUY BEAVER, A.B. Gettysburg 1908, A.M. 1911.....Fairfield, Pa.
English

KING, HOWARD LANGDON, A.B. C. C. N. Y. 1908..... New York City
Mathematics, Physics, Sociology

KIRBY, RUSSELL THORP, B.S. 1910.....New York City
Mechanical Engineering, Civil Engineering, Electromechanics

KIRCHWEY, DOROTHY BROWNING, A.B. 1910.....New York City
Economics

KIRK, CHARLES TOWNSEND.....Yonkers, N. Y.
B.S. Oklahoma 1904, A.M. 1905, Ph.D. Wisconsin 1910
Geology

KIVLEN, MAUDE D., A.B. N. Y. Normal 1909.....New York City
Social Economy, History

KLEIN, ARTHUR J., A.M. 1909, A.B. Wabash 1906.....Elkhart, Ind.
History, Philosophy

KLING, JOSEPH, A.B. C. C. N. Y. 1910.....New York City
French, Italian, English

KNAPP, ANNIE MAY, Ph.B. Syracuse 1892.....Binghamton, N. Y.
History, Economics, Education

KNAUTH, OSWALD WHITMAN, A.B. Harvard 1909.....New York City
Economics, Sociology, Public Law

KOBLITZ, ALBERT EDWARD, A.B. Harvard 1911.....New York City
English, Comparative Literature, Sociology

KOO, VI KYUIN, Wellington A.B. 1908, A.M. 1909.....Shanghai, China
International and Constitutional Law, Jurisprudence

KRAMER, BENJAMIN JOSEPH, B.S. C. C. N. Y. 1911.....New York City
Chemistry, Physics

KRENNING, EDNA AMELIA, B.S. 1907, A.M. 1909, A.B. Weston 1900...Ft. Recovery, Ohio
English

KÛHN, ARTHUR K., A.B. 1895, A.M. 1896, LL.B. 1897.....New York City
Roman Law

KUPER, GERTRUDE MARY, A.B. Notre Dame 1909.....Baltimore, Md.
Psychology

KURZ, HARRY, A.M. 1911, A.B. C. C. N. Y. 1909.....New York City
French, German

LACEY, THOMAS JAMES, A.B. Griswold 1892.....New York City
History, Economics

LAIDLER, HARRY WELLINGTON.....New York City
A.B. Wesleyan 1907, LL.B. St. Lawrence 1910
Economics, Public Law, Sociology

LAIRD, SARA GRANT, A.B. Oberlin 1904.....Ashtabula, Ohio
English, Comparative Literature

LAMONT, FLORENCE, A.M. 1898, B.S. Smith 1893.....Englewood, N. J.
Philosophy

LANE, EDWIN SELDEN, Ph.B. Yale 1908.....Germantown, Pa.
Sociology

LANGTON, WILLARD S., B.S. Utah Agricultural 1896.....Logan, Utah
Mathematics

LANZ, IDA B., A.B. Cincinnati, 1910.....New York City
French

LANZ, JEANNE MARIE.....New York City
French

LASHER, WILLIAM REUBEN, Ph.B. St. Lawrence 1899.....New York City
Mathematics, Education

LATHAM, MINOR WHITE, A.B. Mississippi State 1901.....Hernando, Miss.
English, Comparative Literature

LAU, ROBERT FREDERICK, A.B. 1908, A.M. 1910.....New York City
Semitics

LAUBACH, FRANK CHARLES.....Benton, Pa.
A.M. 1911, A.B. Princeton 1909
Sociology, Social Economy

LAUBER, ALMON WHEELER, Ph.M. Syracuse 1905.....New York City
History

LAUCKS, SAMUEL SIMON, A.B. Ursinus 1910.....Springvale, Pa.
Constitutional and Administrative Law, History

LAW, FREDERICK HOUK, A.M. 1896, A.B. Amherst 1895.....Brooklyn, N. Y.
English

LAW, MARION FOX, A.B. N. Y. Normal 1909.....New York City
German, English

LAWTON, MAXWELL FRANCIS, A.B. 1904.....New York City
History, Latin

LEE, MARGUERITE THOURON.....New York City
B.S. Cornell 1894, A.M. N. Y. Univ. 1905
Chemistry, Zoölogy, Education

LEE, OTIS SHUE ORN, B.S. California 1911.....Oakland, Calif.
Engineering, Mining

LEEDS, JOHN BACON.....Moorestown, N. J.
B.S. Haverford 1895, A.M. Pennsylvania 1910
Social Economy, Sociology, Household Arts

LEHMAN, EZRA.....New York City
B.S. Penn. State Normal 1892, Ph.B. Bucknell 1899, Ph.D. Pennsylvania 1903
English

LESSELBAUM, SAMUEL, A.B. C. C. N. Y. 1901.....New York City
History, Education

LEVENSOHN, ROSE, A.B. N. Y. Normal 1908.....New York City
German, Romance Philology

LEVINE, MAURICE, A.B. 1911.....New York City
Mathematics, Physics, Education

LEVINE, MICHAEL, A.M. 1910, B.S. C. C. N. Y. 1906.....New York City
Botany

LEVINE, VICTOR EMANUEL, A.M. 1911, A.B. C. C. N. Y. 1909.....New York City
Chemistry

LEWINSOHN, MAURICE MANFRED.....New York City
Economics, Sociology, Philosophy

LEWIS, ALBION, A.B. Bates 1906.....New York City
Mathematics, Education

LEWIS, EDWARD RUST, A.B. Ohio State 1907, A.M. 1908.....New York City
Psychology, Philosophy, History

LEWIS, LEICESTER CROSBY, A.B. 1910, A.M. 1911.....New York City
Philosophy
LEWIS, MAMIE JAY, A.B. Smith 1911.....Charlotte, N. C.
English, Comparative Literature
LEWIS, M. SMYSER, B.S. Pennsylvania College 1911.....York, Pa.
Chemistry, Education
LIBBIN, THOMAS JUSTIN, A.B. Stanford, 1909.....New York City
Psychology, Education, Philosophy
LIEBOVITZ, SIDNEY, A.B. 1909.....New York City
Chemistry
LIEBOWITZ, BENJAMIN, E.E. 1911.....New York City
Mathematical, Physics, Mathematics
LINDEMANN, ELIZABETH, A.B. N. Y. Normal 1910.....New York City
History, Sociology
LINDSAY, FREDERIC NYE, A.B. Yale 1889, B.D. 1894, A.M. 1903.....New York City
Semitics
LINEHAN, PAUL HENRY, A.B. Harvard 1902.....New York City
Mathematics, Education
LIPARI, ANGELO, A.B. 1911.....New York City
French, Sociology
LIPSCOMB, ANNE, A.B. Converse 1911.....Spartanburg, S. C.
Economics, History, Sociology
LLOYD, LLEWELLYN, A.B. 1911.....New York City
English, Comparative Literature
LONG, DORIS, A.B. 1910, A.M. 1911.....New York City
English, Economics
LONG, EMILIE OLIVIA, B.S. N. Y. Normal 1902.....New York City
Palæontology, Botany
LONG, SHIRLEY VIRGINIA, A.B. Florida State 1907, A.M. 1908.....Memphis, Tenn.
English, Comparative Literature
LORD, MARY ELIZABETH, A.B. 1907.....Hackensack, N. J.
Botany, Zoology
LORENTZ, DANIEL EMERSON, A.B. Marietta 1909.....Madison, N. J.
Sociology
LOWY, ALEXANDER, B.S. 1911.....New York City
Chemistry, Education
LUBARSKY, LOUIS HENRY, A.M. 1911, B.S. C. C. N. Y. 1904.....New York City
Social Economy, Mathematics
LUTH, EMILIE HELEN, B.S. 1909, A.B. N. Y. Normal 1904.....New York City
Sociology, Economics, Anthropology
LYNCH, CLARA JULIA, B.L. Smith 1903.....Mansfield, Ohio
Zoölogy, Physiology
LYNDE, EDWARD DUDLEY BARRY, Ph.B. Syracuse 1911.....Antwerp, N. Y.
Sociology
LYON, DARWIN OLIVER, A.M. 1908.....Mt. Vernon, N. Y.
Psychology, Zoölogy
LYON, LORENZO GRENVILLE, A.M. 1910, A.B. Princeton 1892, A.M. 1895.....N. Y. City
Classical Archæology, Latin, Greek
LYONS, JOHN RAMBO, A.B. James Milliken 1910.....New York City
Philosophy
MCCAIN, JAMES ROSS, A.B. Erskine 1900, A.M. Chicago 1911.....Rome, Ga.
History
MCCHESNEY, JOHN, A.B. Amherst 1908.....Montclair, N. J.
Philosophy, Psychology
MCCLEES, HELEN, A.B. Ohio State 1910.....Columbus, Ohio
Latin, Greek

McCLELLAND, GEORGE HAMILTON.....New York City
A.B. Westminster 1903, B.D. Union Seminary 1909
Sociology, Economics, Anthropology

McCLENON, WALTER HOLBROOK.....Los Angeles, Calif.
A.B. Grinnell 1907, Litt.B. Southern California 1910
Economics, Public Law, Social Economy

McCLURE, MATTHEW THOMPSON.....Spottswood, Va.
A.B. Washington and Lee 1904, A.M. Virginia 1910
Philosophy, Psychology

McCORKLE, DANIEL SPENCER, A.B. Missouri Valley 1909.....New York City
Sociology, Economics

McCRACKEN, ROBERT F., A.M. 1910, B.S. South Carolina Mil. Acad. 1903..Langley, S.C.
Chemistry

McCURRY, D. ERNEST, A.B. Missouri Valley, 1909.....New York City
Sociology

McGINLEY, STEPHEN ESSEX, A.B. Trinity 1909.....New London, Conn.
Sociology

McKILLIP, REBECCA, A.B. Goucher 1909.....Hollidaysburg, Pa.
Social Economy

McKIRAHAN, WALTER WILBERT, A.B. Muskingum 1905.....New Concord, Ohio
Chemistry, Education

McLEAN, C. V., A.B. Toronto 1909, A.M. 1910.....Port Perry, Can.
Semitics

McLEMORE, ELIZABETH BAXTER, A.B. Indiana 1905, A.M. 1909.....New York City
English, Comparative Literature

McNALLY, MARIE, A.B. Trinity (Washington, D. C.) 1910.....New York City
English, Mathematics

McSORLEY, JOSEPH.....New York City
A.B. St. John's 1891, A.M. 1895, S.T.L. Catholic (Washington, D. C.) 1897
Economics

M'TAVISH, DOUGLAS CRAIG, A.B. Toronto 1906.....New York City
Sociology, Education

MA, YIN CH'U, A.B. Yale 1910.....Shaoshing, Chehlsiang, China
Economics, Sociology, Public Law

MACKLIN, EGBERT CHALMER, A.B. Indiana 1911.....Bryant, Ind.
Philosophy

MACKZUM, HENRIETTA MARIE, A.B. Cincinnati 1909, A.M. 1910.....New York City
History, Education

MACLACHLAN, CATHERINE FISHER, A.B. Toronto 1904, A.M. 1905.....Toronto, Can.
English, Comparative Literature

MACROSSIE, WILLIAM, A.B. 1911.....New York City
Public Law

MAGARY, ALVIN EDWIN.....South Orange, N. J.
Sociology, Philosophy

MAGHETTA, FRANCESCO, Dottore in Lettere, Rome, 1906.....New York City
French, English

MAHLER, LOUISE, A.B. N. Y. Normal 1910.....New York City
French, Education

MAHNKEN, ANNA HENRIETTE.....New York City
English

MANGES, EDMUND L., A.B. Pennsylvania College 1908, A.M. 1911.....Oakland, Md.
Sociology

MANHEIMER, WALLACE A.....New York City
Zoölogy, Physiology

MARGOLIS, ELIAS, A.B. Cincinnati 1900.....New York City
Semitics

MARGOSHES, SAMUEL, A.M. 1910 Equiv. A.B. Jarnow 1905.....New York City
History, Economics, Philosophy

MARKHAM, REUBEN HENRY, A.B. Washburn 1908, B.D. Union Sem. 1911..Onaga, Kan.
Philosophy

MARRS, LEOLA ETHEL, A.M. 1911, A.B. West Virginia 1905.....Huntington, W. Va.
Chemistry

MARY, BEATRIX K., A.B. Olivet 1903, A.M. Michigan 1904.....Lansing, Mich.
English, Latin

MASON, GABRIEL R.....New York City
A.B. C. C. N. Y. 1903, Ph.D. N. Y. Univ. 1911
Philosophy

MASON, THOMAS AUGUSTUS.....Northfield, Mass.
A.B. Dartmouth 1901, A.M. Harvard 1908
Romance Languages, Comparative Literature

MATHER, WILLIAM ARNOT, A.B. Princeton 1896, B.D. Hartford 1899...New York City
Chinese

MATHEWSON, CHESTER ARTHUR, B.S. 1905, A.M. 1906.....Cincinnati, Ohio
Chemistry, Physiology, Education

MAYER, MATHILDE LOUISE.....Bloomfield, N. J.
History

MAYER, THERESA, A.B. 1911.....New York City
Comparative Literature, English, History

MESSENGER, HELEN ALTHEA, A.B. N. Y. Normal 1905.....New York City
Physics, Chemistry, Mechanics

MEYER, ANNA, A.B. N. Y. Normal 1909.....New York City
Latin, Greek

MEYER, CARL LUDWIG WILHELM, A.B. Michigan 1910..... Kalamazoo, Mich.
Roman Law, Public Law, Philosophy

MIDDLETON, FLORENCE, B.S 1910.....New York City
Biology

MILLER, HERBERT RINEHART.....Seattle, Wash.
Sociology

MILLER, MAY IRENE, A.B. Smith 1907.....Stamford, Conn.
History, Sociology

MILMORE, OSCAR LONGFELLOW, A.B. George Washington 1910....Washington, D. C.
History, Public Law

MINER, MAUDE E., A.B. Smith 1901.....Richmond Hill, N. Y.
Sociology

MINER, ROY WALDO, A.B. Williams 1897.....New York City
Zoölogy, Geology

MIRSKY, ISRAEL, A.M. 1909, B.S. C. C. N. Y. 1908.....New York City
Mathematics, Physics

MĪZUTANI, KĪICHI, A.B. Waseda 1907.....Shizuoka, Japan
Economics

MONTGOMERY, SARAH LOUISE, B.S. 1910.....Jeffersonville, Ind.
Psychology, Philosophy

MONTGOMERY, WILLIAM RANDOLPH, A.B. Wesleyan 1911.....Stamford, Conn.
Economics, Social Economy, History

MOODY, JULIA ELEANOR, B.S. Mt. Holyoke 1894, A.M. 1909.....South Hadley, Mass.
Zoölogy, Bacteriology

MOON, EVANGELINE ADA, A.M. 1910, A.B. N. Y. Normal 1906.....New York City
Geology, Palæontology, Botany

MOORE, JESSIE ARCHIBALD, A.B. Stanford 1901.....Los Angeles, Calif.
Chemistry

MORGAN, ALBERT RUFUS, A.B. North Carolina 1910.....Murphy, N. C.
Sociology

MORREY, WILLIAM THOMAS.....New York City
A.B. Ohio State 1888, A.M. N. Y. Univ. 1893
History, Economics

MORRIS, EDITH MATILDA, A.B. 1911.....New York City
Mathematics, Physics, Education

MORRIS, SARAH, A.B. Vassar 1906, A.M. 1908.....Wilkes-Barre, Pa.
Greek, Latin, Greek Archæology

MORSE, HERMANN N., A.B. Alma 1908.....Ludington, Mich.
Social Economy, History, Education

MORTON, IRA ABBOTT.....New York City
A.B. Mt. Union 1903, B.D. Drew 1905
Psychology, Philosophy

MOSES, SOPHIA, A.B. Wellesley 1909.....Mt. Vernon, N. Y.
German, Romance Philology

MOSS, ARTHUR BRUCE, A.B. 1909.....New York City
Philosophy, Semitics, English

MOSS, ELIZABETH JACKSON, LL.B., N.Y. Univ. 1905.....New York City
English

MOTTLEY, FRANK WILBUR, A.B. Minnesota 1908.....Red Wing, Minn.
Sociology, Education

MOUNTSIER, ROBERT, A.M. 1910, A.B. Michigan 1909.....New York City
English, German

MOWATT, ACTON JAMES WILTON.....Madison, N. J.
Sociology

MURAVCHIK, RACHEL BELKIN.....New York City
Sociology, Economics, English

MURDOCK, LUCY MARVELLE, A.B. Ohio Wesleyan 1899.....Delaware, Ohio
English, Education

MURPHY, WILLIAM HUNT, B.Sc. McGill 1908.....Rochester, N. Y.
Physics, Mathematics

MURRAY, ROBERT CORNELIUS, A.B. Amherst 1910.....Herkimer, N. Y.
History, Roman Law and Comparative Jurisprudence

MYERS, ALFRED STUART, A.B. 1907.....New York City
English, Education

MYERS, GARRY CLEVELAND, A.B. Ursinus 1909.....New York City
Psychology, Education, Social Economy

NAHON, ZARITA, A.B. N. Y. Normal 1910.....New York City
French, Romance Philology

NAITO, YUKICHI, B.D. Drew 1910, L.B. Meigigaguin 1901.....New York City
Sociology

NAKANO, IKUO, Equiv. A.B. Nippon Law 1901.....Tsu City, Japan
Economics, Sociology, International Law

NAMMACK, ELIZABETH FRANCES, A.B. 1895, A.M. 1896 ..... New York City
Latin, Roman Archæology, Greek

NANES, PHILIP, Ph.B. Brown 1905.....New York City
History, Education

NEAL, GERTRUDE, A.B. DePauw 1896.....Charleston, Ill.
Latin, Education

NEALON, KATHLEEN ELIZABETH, A.B. Mt. Holyoke 1909.....Paterson, N. J.
English, Social Economy

NEEL, HENRI CHARLES, A.M. 1911, A.B. Paris 1910.....New York City
Romance Languages, Arabic

NEFF, CLARENCE ALVIN, Ph.B. Wooster 1907.....Bucyrus, Ohio
Sociology

NEIDLE, MARKS, B.S. C. C. N. Y. 1911.....New York City
Chemistry, Physics

NEUMAN, ABRAHAM, B.S. 1909.....New York City
History, Philosophy

NEWHALL, ALBERT HITCHINGS, A.B. Harvard 1898, A.M. 1899.....New York City
Social Economy

NICKEL, ALBERT R.....New York City
German, French

NIGRIN, JAROSLAV VICTOR, B.S. 1911.....New York City
Chemistry, Physics, Mineralogy

NILES, ELLA CAPERS JONES.....New York City
Psychology, Sociology, Philosophy

NOLL, WALTER LEROY, B.S. Bucknell 1908.....Newark, N. J.
Botany

NORTH, ERIC M., A.M. 1910, A.B. Wesleyan 1909, A.M. 1910.....New York City
History, Philosophy

NORTHROP, OMANDA CAROLYN.....New York City
Sociology

NOTMAN, WINIFRED, A.B. Smith 1911.....New York City
History, Economics

NOWAK, ABRAHAM, B.S. C. C. N. Y. 1910.....New York City
Sociology, Anthropology, Philosophy

NUDD, HOWARD WEBSTER, B.S. Temple 1907.....Philadelphia, Pa.
Social Economy, Sociology, Education

NYE, BERTHOLD HINTZ, A.B. 1909.....Yonkers, N. Y.
History

OBERNDORFER, MARIAN, A.B. 1911.....New York City
Social Economy, Sociology

O'BRIEN, CHARLOTTE ELIZABETH, A.B. N. Y. Normal 1910.....New York City
Mathematics

O'BYRNE, MICHAEL ALOYSIUS, Ph.B. St. Francis 1893.....New York City
Celtic

O'CONNELL, MARJORIE, A.B. 1911.....New York City
Palæontology, Geology

OGINO, TAISUKE, LL.B. Chuo (Tokio) 1903.....New York City
Economics, International Law, Sociology

OKUNTSOFF, ELAINE, A.M. 1909, A.B. N. Y. Normal 1908.....New York City
Social Economy, Sociology

OLDFIELD, HARRY LEES, A.B. Brown 1910.....New York City
Philosophy

OLINGER, HENRI CÉSAR, B.S. 1908.....New York City
French, English

OLSON, OSCAR THOMAS, A.B. Albion 1911.....New York City
Philosophy, Economics

ONI, KANAME, Equiv. A.B. Nippon Law 1905.....Tokushima City, Japan
Economics, Sociology, International Law

ONGLEY, LUCY EVELYN, A.M. 1911, A.B. Smith 1908.....New York City
French, Romance Philology

ORNSTEIN, MARTHA, A.B. 1899, A.M. 1900.....New York City
History, Mathematics

OSBORN, ALGERNON ASHBURNER, A.B. Harvard 1905.....Newark, N. J.
Economics, Sociology, History

OSTER, JOHN EDWARD, LL.B. Ohio Northern 1907.....Toledo, Ohio
Constitutional Law, International Law, Economics

OWENS, ROSEMARY, A.B. N. Y. Normal 1910.....New York City
Botany, Zoölogy

PALMER, EDNA ADELINE, A.B. 1910.....New York City
History, German

PALMER, ERIK SCHJOTTE, Ph.B. Yale 1906.....New Brunswick, N. J.
Mathematics

PALMER, MARY LEARNED, A.B. Smith 1909.....Winterton, N. Y.
Psychology, Comparative Literature, Sociology

PANGBORNE, KATHARINE, Ph.B. Syracuse 1906.....Dundee, N. Y.
History, Sociology

PARKER, CARL WILLIAM, A.B. Cornell 1908, A.M. Indiana 1909.....Glens Falls, N. Y.
Economics, Social Economy

PARKER, ROBERT ALLERTON, B.L. California 1909.....Alameda, Calif.
English, Comparative Literature

PARSONS, ALICE TULLIS LORD, B.L. Smith 1897.....New York City
English

PARSONS, LLEWELLYN S.....New York City
Philosophy

PASLAY, MIRIAM GREENE, A.M. 1911, A.B. Mississippi State 1889....Columbus, Miss.
Latin, Greek, Roman Archæology

PAUL, WINSTON, A.B. 1909.....Jersey City, N. J.
Sociology

PEARL, JOSEPH, A.B. C. C. N. Y. 1906.....New York City
Latin, Greek, Greek Archæology

PEARSON, PHILIP COOMBS, B.S. M.I.T. 1902, B.D. General 1908..... Ridgewood, N. J.
Philosophy

PECK, EMILY SEYMOUR, A.B. Adelphi 1909.....New York City
English, Comparative Literature

PECKHAM, GEORGE WILLIAMS, JR., A.B. Wisconsin 1906.....Milwaukee, Wis.
Philosophy, French

PEDERSEN, FREDERICK MALLING.....New York City
E.E. 1893, B.S. C. C. N. Y. 1889, Sc.D. N. Y. Univ. 1905
Mathematics, Physics

PEDRICK, FRANKLIN BURCHE, A.B. Johns Hopkins 1909.....Washington, D. C.
Psychology

PENDLETON, VENITA, B.S. 1906.....Bryn Athyn, Pa.
Sociology, Anthropology

PENNOCK, LEILA, B.S. Earlham 1905.....Zanesfield, Ohio
Comparative Literature, English

PERCIVAL, MARY, A.M. 1902, A.B. Mt. Holyoke 1898.....New York City
Sociology

PERLMAN, DAVID H., A.B. C. C. N. Y. 1910.....New York City
English, Education

PERRY, EDWARD OWEN, A.B. Hamilton 1903.....Sanquoit, N. Y.
Romance Languages, German

PERRY, WILLIAM HENRY.....New York City
A.B. Syracuse 1908, B.D. Union Sem. 1911
Philosophy

PETERSON, ARTHUR EVERETT, A.B. Tufts 1892, A.M. 1892.... South Coventry, Conn.
History, Education

PFEIFFER, PETER A., B.S. Wesleyan 1910.....Hoboken, N. J.
Chemistry

PHILLIPS, WALTER CLARKE, Ph.B. Brown 1902, A.M. 1903.....Lafayette, R. I.
English, Comparative Literature

PHILSON, SAMUEL, B.S. Pennsylvania College, 1909.....Berlin, Pa.
English, Comparative Literature

PICK, THEKLA, A.M. 1910.....New York City
German, French

PIERCE, ALICE REEVE, A.B. Smith 1896, A.M. Brown 1901.....New York City
English

PIERSON, WILLIAM WHATLEY, JR., A.B. Alabama 1910, A.M. 1911....River Falls, Ala.
History, Sociology

PIFER, CLAUDE ALBERT, A.B. Wabash 1907, A.M. 1908, B.A. Oxford 1911.. Carlisle, Ind.
English, Comparative Literature

PLANER, CLARA HELENE, B.S. 1910.....Hoboken, N. J.
German, Education

PLAUT, ELSIE, A.B. 1910.....New York City
English, History

POFFENBERGER, ALBERT THEODORE, JR., A.M. 1910, A.B. Bucknell 1909...Sunbury, Pa.
Psychology, Phys ology

POLLEY, BRITTON, A.B. C. C. N. Y. 1911.....Slate Hill, N. Y.
English, Education

POMEROY, RALPH BRANWER, A.B. 1898, B.D. General 1902.....Princeton, N. J.
History

PORTER, ALEXANDER MURRAY, A.B. Dalhousie 1909.....Alma, Nova Scotia
Social Economy

POWEL, AILSIE KYLE.....Asheville, N. C.
A.B. Synodical College (Rogersville, Tenn.) 1891, B.S. Tennessee 1902
English, Education

POWELL, CHILTON LATHAM, A.M. 1911, A.B. Amherst 1907, A.M. 1908.. Baltimore, Md.
English, Comparative Literature

POWELL, H. WHEELER, B.S. C. C. N. Y. 1883.....New York City
Mathematics

PRENTIS, EDMUND ASTLEY, JR.....New York City
Geology

PRICE, JULIUS JOSEPH, A.M. 1911, A.B. Pennsylvania 1908.....New York City
Semitics, History

PRICE, WILLARD DEMILLE, A.B. Western Reserve 1909.....Cleveland Heights, Ohio
Social Economy

PULVERMACHER, WILLIAM DEAN.....New York City
A.B. C. C. N. Y. 1900, LL.B. New York Law 1908
Biology

PUNNETT, PERCY WITHERS, B.S. Rochester 1911.....Rochester, N. Y.
Chemistry

PUORRA, MICHAEL, B.S. 1909, A.M. 1911.....New York City
Chemistry

PUTNAM, MARY CHASTINA, B.L. Cornell 1881.....Conerdango Valley, N. Y.
English, Comparative Literature

QUACKENBOS, GEORGE PAYN, A.B. 1900, A.M. 1901.....New York City
Indo-Iranian, Latin

QUACKENBUSH, LEOPOLD SCHUYLER, A.M. 1901, Ph.B. Yale 1899.....New York City
Zoölogy, Botany, Physiology

QUIN, BARBARA STORY, A.B. Smith 1911.....New York City
Social Economy

RABE, LOUIS HENRY WILLIAM, A.B. Concordia 1907.....New York City
Latin, Greek, German

RAUCHER, JOACHIM, A.B. C. C. N. Y. 1905.....New York City
German, English

RAWLS, ANN ELIZABETH, A.B. Smith 1910.....New York City
Zoölogy, Physiology, Botany

RAY, FREDERICK.....Short Hills, N. J.
Physics, Mathematics

RAY, JACKSON HARVELLE RANDOLPH, A.B. Emery and Henry 1905....New York City
Sociology

RAYMOND, ANDREW VAN VRANKEN, JR., A.B. Union 1908.....Buffalo, N. Y.
Sociology

REDDING, HELEN EDMUNDS, A.M. 1907, A.B. Adelphi 1901.....New York City
History, Sociology
REED, HELEN JEAN, A.B. Converse 1898.....Waynesville, N. C.
English
REED, JOANNA ASHTON, A.B. N. Y. Normal 1893, A.M. N. Y. Univ. 1901...Leonia, N. J.
Latin
REEVES, EARLE CLARENCE, A.B. Indiana 1911..... Anderson, Ind.
Sociology, Economics, English
REITLINGER, BLANCHE HORTENSE, A.B. 1905, A.M. 1906.....New York City
English, Comparative Literature, Economics
RENSHAW, DAVID FREDERICK, B.S. Rochester 1911.....Rochester, N. Y.
Chemistry
RICH, HARRY S., A.B. C. C. N. Y. 1908.....New York City
English, Education
RICHARDSON, ARTHUR H., A.B. Beloit 1908..... Ripon, Wis.
Sociology, Education, Economics
RICKETTS, BERTHA LOUISE, A.M. 1910, B.S. Millsaps 1909.....Jackson, Miss.
English, Education
RIDDELL, WALTER ALEXANDER, A.M. 1908, A.B. Manitoba 1907. Mintz, Manitoba, Can.
Sociology, History, Economics
RILEY, MORGAN THOMAS, A.B. Yale 1907..... New York City
Sociology, Economics, History
ROBINSON, ALICE M., A.B. Mt. Holyoke 1895, A.M. 1901.....New York City
Mathematics
ROBINSON, AARON G., A.B. C. C. N. Y. 1909..... New York City
Semitics, Sociology, Philosophy
ROCHE, JOSEPHINE ASPINWALL, A.M. 1910, A.B. Vassar 1908..... Denver, Colo.
Social Economy, History, Economics
ROEDER, EMILIE V. WALZ, Ph.B. Oberlin 1899..... New York City
German, Mathematics
ROELKEY, DAVID ERNEST, A.B. Fordham 1905.....New York City
Bacteriology
ROGERS, MURIEL WARD, A.B. Vassar 1911.....New York City
History, Economics
ROLL, ROSE, A.B. N. Y. Normal 1909.....New York City
Mathematics, German
ROSENBERG, JOSEPH, A.B. C. C. N. Y. 1911.....New York City
Romance Languages, German
ROSENTHAL, GEORGE JACOB, A.B. 1910, A.M. 1911.....New York City
Chemistry
ROSENTHAL, JEROME.....New York City
German, English, Philosophy
ROSS, FRANK ALEXANDER, Ph.B. Yale 1908.....North Woodbury, Conn.
Sociology, Economics, History
ROSS, WILLIAM NEELY, A.B. 1911.....Troy, N. Y.
History, Economics
ROTHSCHILD, HELENE W., 1910.....New York City
Social Economy
ROUNDS, DORA M., A.M. 1910, A.B. Wellesley 1896..... Calais, Me.
English, Education
RUSHMORE, ELSIE MITCHELL, A.B. Vassar 1906.....New York City
History, Sociology
RUSK, RALPH LESLIE, A.B. Illinois 1909..... Windsor, Mo.
English, Comparative Literature
RUSSELL, ELMER BEECHER, A.M. 1911, Ph.B. Vermont 1906.....Burlington, Vt.
History, Constitutional Law

RUTH, UNA GERTRUDE, A.B. Denver 1908.....Des Moines, Ia.
Chemistry, Education

RYDENE, ALMA P., B.S. 1908.....New York City
English, Psychology

RYERSON, MARGERY AUSTEN, A.B. Vassar 1909.....Morristown, N. J.
English, Education

SAEGER, LOVINA BELLE, A.B. Allegheny 1911.....Beaver Falls, Pa.
Latin, Education, German

SAIDLA, LEO ERVAL, A.B. Wabash 1909.....New York City
Sociology, History, Philosophy

SAIT, UNA BERNARD, A.B. 1909, A.M. 1911.....New York City
Philosophy, Education

SALANT, HENRY, Ph.B. N. Y. Univ. 1895.....New York City
Economics

SALAS, LUIS EMLYNN, A.M. 1911, B.Sc. London 1904.....New York City
Assaying, Chemistry

SALOMON, MRS. H. R. A.B. 1908.....New York City
History

SALUTSKY, JACOB B., Equiv. A.B. Pernau 1904.....New York City
Economics, Public Law, Sociology

SAMPSON, GEORGE GORDON, A.B. Bates 1905, A.M. Clark 1911.....Worcester, Mass.
Public Law, Economics

SANFORD, FERDINAND DOAN, A.B. Princeton 1909.....New York City
Social Economy

SCHATZMAN, ALBERT GEORGE, A.B. Ohio Wesleyan 1908.....Linden, N. J.
Philosophy, Psychology, Sociology

SCHICK, PHILIPPINE.....Munich, Germany
Chinese

SCHLESINGER, ARTHUR MEIER, A.M. 1911, A.B. Ohio State 1910.....Xenia, Ohio
History, Constitutional Law

SCHLIFFER, WILLIAM HENRY, JR., A.B. Adelphi 1911.....New York City
Chemistry, Botany

SCHMALHAUSEN, SAMUEL DANIEL, A.B. C. C. N. Y. 1909.....New York City
Economics, Sociology, Anthropology

SCHOLZ, FREDERICK WILLIAM, A.B. 1911.....New York City
German, Psychology

SCHRAMM, EDWARD, Chem.E. 1909, B.S. C. C. N. Y. 1906.....New York City
Physics, Chemistry

SCHREITER, HARRIETT AUGUSTA.....New York City
Philosophy

SCOTT, GEORGE GILMORE, A.B. Williams 1898, A.M. 1899.....Upper Montclair, N. J.
Physiology, Zoölogy, Botany

SCOTT, REGINALD H., B.D. Berkeley Divinity School 1904.....New York City
Philosophy, Sociology, History

SCOTT, WILFORD H., A.B. Christian 1905.....Columbia, Mo.
Sociology, Economics, History

SEEL, WILLIAM MOORE, A.B. Temple 1909.....Philadelphia, Pa.
Philosophy

SEELY, CAROLINE EUSTIS, A.B. 1911.....New York City
Mathematics, Astronomy

SEIDENBERG, ARMIN.....New York City
Chemistry

SEIPT, HOWARD ANDERS, A.B. Harvard 1906, A.M. 1910.....West Point, Pa.
Philosophy, Psychology, Education

SELLECK, ANNE, B.S. 1910, A.B. Bryn Mawr 1904.....Westport, Conn
German, Comparative Literature

SELWYN-BROWN, ARTHUR.....Australia
C.E. London 1892, A.M. N. Y. Univ. 1904, Ph.D. 1909
Administrative and Constitutional Law, Psychology

SHAW, AGNES MORTON, A.B. Wellesley 1892.....West Newton, Mass.
English, Comparative Literature

SHENTON, HERBERT N.....Pottstown, Pa.
Ph.B. Dickinson 1906, A.M. 1907, B.D. Drew 1910
Sociology, Economics, History

SHIMIDZU, MATSUO, A.B. Waseda 1909.....Sendai, Japan
Economics

SHISSLER, REY M., B.S. N. Y. Univ. 1911.....New York City
English

SHUKRI, AHMED, Equiv. A.B. Cyprus 1910.....Nicosia, Cyprus
Sociology, Geography, Economics

SHULTZ, BIRL EARL, A.M. 1911, A.B. De Pauw 1908.....Union City, Ind.
Public Law, History

SIGAFUS, ANNA EMILY, A.B. Smith 1910.....Stroudsburg, Pa.
History

SILLS, LOUIS EDMUND MCCAKENDALE, A.B. Toronto 1910.....Stephensport, Ky.
English

SIMERAL, ISABEL, A.M. 1911, Ph.B. Chicago 1905.....Bloomington, Ill.
History, Economics

SIMMONDS, LIONEL J., A.M. 1910, A.B. C. C. N. Y. 1903 ..... New York City
English

SIMONTON, CATHERINE M., A.M. 1907, A.B. Wesleyan 1900.....Weehawken, N. J.
Latin

SIMS, NEWELL LEROY, A.M. 1910, A.B. Tri-State 1901..... Angola, Ind.
Sociology, Economics

SKIPP, HENRY JOHN, A.M. 1910, A.B. Denison 1904.....New York City
German, English

SMITH, BERTRAM GARNER, A.B. Michigan 1909.....Youngsville, Pa.
Embryology, Zoölogy

SMITH, CATHERINE B., B.S. N. Y. Univ. 1911.....New York City
Latin, Roman Archæology, English

SMITH, CLARENCE JACK, A.B. Cornell College 1909.....Blanket, Texas
English, Comparative Literature

SMITH, FLORENCE MARY, A.M. 1908, A.B. Illinois 1899.....New York City
English, Education

SMITH, FRANK DRAKE, B.S. 1911.....New York City
Physiology, Chemistry, Education

SMITH, GEDDES, A.B. 1910.....New York City
English, History

SMITH, JANET MAUD, Ph.B. Wisconsin 1901.....Wanwatosa, Wis.
English, Comparative Literature

SMITH, LOIS BULKLEY.....Montclair, N. J.
Philosophy

SMITH, NELLIE MAY, A.M. 1911, A.B. Vassar 1898.....New York City
Social Economy, Education

SMITH, ROBERT METCALF, A.M. 1909, A.B. Amherst 1908..... Bancroft, Mass.
English, Comparative Literature

SOMMERVILLE, SELINA EMILY, A.B. Wellesley 1911.....New York City
English, Comparative Literature

SOUDER, EDMUND LLOYD, A.B. Harvard 1910.....Philadelphia, Pa.
Sociology

SOWERS, DON CONGER, A.B. Baker 1904.....Spring Hill, Kan.
Economics, Sociology, Public Law

SPARE, BERNICE Y., A.B. Lafayette 1911.....Royersford, Pa.
Sociology, Philosophy

SPEARMAN, CHARLES, B.Sc. Queens 1910.....New York City
Geology, Mineralogy, Palæontology

SPIER, DORIS JEANETTE, A.B. N. Y. Normal 1910.....New York City
Botany, Physiology

SPINING, HARRIET MONFORT, B.S. 1911.....South Orange, N. J.
Philosophy, Education

SPRUNG, SABINA, A.B. N. Y. Normal 1907.....New York City
Philosophy, English

STAIR, BIRD WILLIAMS, B.S. Purdue 1899, M.S. 1901.....New York City
English, Comparative Literature

STANDEWICK, HARRY FISHER, JR., A.B. 1911.....New York City
Latin, Greek, Education

STANTON, FREDERICK LESTER.....New York City
Zoölogy

STAUB, ALBERT WILLIAM.....Titusville, Pa.
A.M. 1907, A.B. Oberlin 1904, B.D. Union Seminary 1907
Oriental Languages

STAUFFER, VERNON, A.B. Hiram 1901.....Angola, Ind.
Philosophy, Psychology, Education

STEBBINS, HOMER ADOLPH.....Syracuse, N. Y.
Ph.B. Syracuse 1906, Ph.M. 1907, LL.B. 1908.
History, Philosophy, International and Constitutional Law

STEIN, NADINE, A.M. 1911, A.B. N. Y. Normal 1910.....New York City
Sociology

STEUBING, WILLIAM COLSON, E.M. Michigan 1904.....New York City
Geology, Metallurgy, Palæontology

STEVENS, JUNIUS WOODS, Ph.B. Syracuse 1895.....Bloomfield, N. J.
English, Comparative Literature

STEVENS, MARY SYDNEY, A.B. Adelphi 1909.....Scarsdale, N. Y.
Latin, Roman Archæology, History

STEWART, BRYCE MORRISON, A.M. Queens Univ. 1911.....Lyn, Ont., Canada
History, Social Economy

STOCKDALE, GEORGE MACHIN, A.B. Wesleyan 1910.....Asbury Park, N. J.
Sociology, History, Psychology

STONE, EDWARD COLLINS, A.B. Yale 1904, A.M. Trinity 1905.....Hartford, Conn.
Chemistry, Education

STOWELL, JAY SAMUEL, A.B. Oberlin 1909.....Orwell, N. Y.
Sociology

STRATFORD, ALINE CROQUET, A.B. 1897, A.M. 1899.....New York City
English, French

STREETER, DANIEL DENISON, B.S. 1909.....New York City
Zoölogy, Anthropology

STREETER, STELLA GEORGIANA, A.M. 1903, B.L. Smith 1898.....Jersey City, N. J.
Botany

STREIGHTOFF, FRANK HATCH, A.B. Wesleyan 1909, A.M. 1910.....New York City
Economics, Sociology, Constitutional Law

STRIBLING, ALICE, A.B. Converse 1894.....Spartansburg, S. C.
History, Sociology

STRIDSBERG, CARL ALEXANDER HERBERT, A.B. Bishop's College 1909..New York City
Sociology, History, Philosophy

ST. STANOYEVICH, MILIVAY, A.M. Belgrade 1907.....New York City
Sociology, Politics, Economics

STUNTZ, CLYDE BRONSON, A.B. Wesleyan 1910.....Madison, N. J.
Sanskrit, History

SUFFERN, ARTHUR ELLIOTT, B.S. 1910, A.M. 1811.....Corning, N. Y.
Economics, Sociology, History

SUGERMAN, SARA CAROLINE, A.B. Smith 1911.....New York City
English

SUN, TO-TAN, B.S. M.I.T. 1911.....Shoachow, China
Metallurgy, Mining

SURREY, NANCY MARIA MILLER.....New York City
B.S. Chicago 1903, A.M. Wisconsin 1909
History, Sociology

TANNER, AGENOR HENRY, B.C.L. McGill 1906.....Montreal, Can.
Sociology, Economics, History

TATTERSHALL, LOUISE MAY, A.B. 1908.....White Haven, Pa.
History, Education

TAYLOR, ALBERT ERNEST, A.B. Toronto 1910.....Peterboro, Ont., Can.
Sociology

TAYLOR, ELBERT B., A.B. Trinity 1873.....Bayonne, N. J.
Sociology

TAYLOR, HENRY BARMAN, E.M. 1906.....Kansas City, Mo.
Geology, Mining

THACKERAY, MARY JOSEPHINE, A.B. Adelphi 1901.....New York City
Comparative Literature

THOMAS, J. FRANKLIN, A.B. Beloit 1904.....New York City
Sociology, Economics, Public Law

THOMPSON, ARTHUR PERRY, B.S. Arizona 1909.....Jerome, Ariz.
Geology, Mining, Metallurgy

THOMPSON, CHARLES DEDERER, JR., A.B. Princeton 1905.....Jersey City, N. J.
Economics, Sociology, Psychology

THOMPSON, RALPH SCHOFIELD, A.B. Wesleyan 1911.....New York City
Social Economy

THOMSON, MYRTLE E., A.B. Syracuse 1894.....New York City
History, Economics

THOMSON, SEARS, A.B. Minnesota 1909.....Minneapolis, Minn.
Social Economy

THURBER, CANDACE, B.S. Smith 1904.....New York City
English

TICE, SABRA COLBY (MRS. W. A.), A.B. 1907.....New York City
Zoölogy

TILNEY, FREDERICK.....New York City
A.B. Yale 1897, M.D. Long Island College Hospital 1903
Histology, Anatomy, Embryology

TIMBERLAKE, EDITH,..... Staunton, Va.
A.B. Woman's College (Baltimore) 1908
History, Sociology

TODD, JOHN ROBINSON.....New York City
B.D. Drew 1887, A.B. Dickinson 1887, A.M. 1890
History, International Law

TOMPKINS, NANNA M., A.B. Vassar 1894.....Poughkeepsie, N. Y.
History, Sociology

TOPP, EMILY, A.B. N. Y. Normal 1909.....New York City
Botany, Zoölogy

TOWART, WILLIAM GEORGE, A.B. Colgate 1909.....New York City
Sociology

TOWNSEND, MARY EVELYN, A.B. Wellesley 1905.....Elizabeth, N. J.
History, English

TOWNSEND, SCHUYLER MALLORY, A.B. Syracuse 1908.....Jersey City, N. J.
English, French

TRAVIS, GRACE, A.B. Mt. Holyoke 1910.....New York City
History, Economics

TRESSLER, JACOB CLOYD, A.B. Syracuse 1906.....Newport, Pa.
English, Education

TROTTIER, THÉOPHILE, B.S. 1910.....New York City
French, Education

TRUESDELL, WALDO BROMLEY, A.B. Harvard 1897.....New York City
Mathematics

TRUKADA, SHIUJI, B.C.S. N. Y. Univ. 1911.....New York City
Economics, Sociology, Public Law

TSAI, YUAN TZE, B.S. M.I.T. 1910.....Huchow, China
Mining

TSU, ANDREW YU YUE, A.M. 1910, A.B. St. John's (Shanghai) 1907.....New York City
Sociology, Anthropology

TUER, JOHN ARCHIBALD, A.B. Toronto 1909, A.M. 1910.....Mitchell, Ont., Can.
Semitics

TUFTS, ANNE BLANCHARD, A.B. Radcliffe 1907.....New York City
English, History, Education

TWINEM, JAMES LEONARD, A.B. Wooster 1911.....Wooster, Ohio
Philosophy

TYSON, LEVERING, A.M. 1911, A.B. Pennsylvania College 1910.....Reading, Pa.
Economics, Social Economy, Public Law

ULRICH, FREDERICK, A.B. Washburn 1910.....New York City
Sociology

ULRICH, OLIVE ERMINA, A.B. Vassar 1911.....New York City
English, Comparative Literature

UMACENY, LILLIE A., A.B. N. Y. Normal 1907.....New York City
Botany, Physiology

UNDERHILL, RUTH M., A.B. Vassar 1905.....Ossining, N. Y.
Comparative Literature, English

UNWERTH, FRIDA VON, Ph.B. Chicago 1903.....New York City
German, English

UPTON, EDWIN CARLETON.....Annandale-on-Hudson, N. Y.
A.M. 1902, B.S. Maine 1897
English, Comparative Literature

VAETH, JOSEPH ANTHONY, A.B. Missouri 1903.....Ste. Genevieve, Mo.
Romance Languages, German

VANDER, MEULEN, JOHN M., A.B. Hope 1891.....New York City
Philosophy, Psychology

VANN, WILLIAM HARVEY, A.M. 1909, A.B. Wake Forest 1907.....Raleigh, N. C.
English, Education

VAN WERT, SUSAN EVENS, A.B. Cornell 1898.....New York City
Greek, Latin, Greek Archæology

VAUGHAN, WILLIAM EUGENE, A.M. 1911, A.B. Nashville 1900.....Memphis, Tenn.
English

VEEDER, LYMAN BRADT, A.B. Princeton 1910.....Peekskill, N. Y.
Economics, Social Economy, Constitutional Law

VER PLANCK, JUDITH CROMMELIN, B.S. 1904.....New York City
History

VERHOEFF, CAROLYN, A.B. Vassar 1897.....Louisville, Ky.
History, English

VICKERS, LESLIE.....Tenafly, N. J.
A.B. Sydney 1908, A.M. Glasgow 1910, B.D. Union Seminary 1911
Economics, Sociology

VINING, IRVING E.....New York City
Sociology, History

VOIGHT, WALTER W., A.B. Meridian 1910.....Easley, S. C.
Philosophy, Psychology

VOSE, CAROLINE ELIZA, A.M. 1911, A.B. Wellesley 1910.....Portland, Me.
English, German

WADE, EDWIN CHARLES, A.M. 1911, A.B. Hampden Sidney 1907....Farmville, Va.
History, Economics

WAITE, ELIZABETH RICHARDSON, A.B. Wellesley 1895.....Passaic, N. J.
German, English

WAKATSUKI, PETER MASUMI, A.B. St. Paul's (Tokyo) 1900.....New York City
Philosophy

WAKEFIELD, ARTHUR, A.B. Brown 1900, A.M. 1901.....Newark, N. J.
English, Comparative Literature

WALKER, BYRD, A.B. Mississippi State 1905.....Carthage, Miss.
Latin, Education, Roman Archæology

WALLS, ELLIE ALMA, A.B. Fisk 1911.....Houston, Texas
Social Economy

WALTON, JOSEPH BARNARD.....George School, Pa.
A.M. 1908, A.B. Pennsylvania 1905
Social Economy, Sociology

WANG, CHENG-FU, Equiv. A.B. Imperial Univ. China 1910.....Tientsin, China
Metallurgy, Mining

WANG, CHÜN HAO, Equiv. A.B. Imperial Univ. China 1910.....Tientsin, China
Metallurgy, Geology

WANG, YINCHANG TSENSHAN, B.S. Chicago 1910.....Shanghai, China
Chemistry, Metallurgy, Geology

WANN, LOUIS, A.B. Wabash 1908.....Warsaw, Ind.
English, Comparative Literature

WARD, CORNELIA CARHART.....New York City
Ph.B. Syracuse 1902, Ph.M. 1902, A.M. Radcliffe 1907
English

WARREN, ARLETTA L., Ph.B. Wooster 1889, Ph.D. Michigan 1898.....Wooster, Ohio
English, Latin

WARWICK, VENI A., A.B. Adelphi 1911.....New York City
English, Education

WASHBURN, ELIZABETH MERROW, A.B. Swarthmore 1911...Farm School, Bucks Co., Pa.
Mathematics, Mechanics, Chemistry

WATKINS, CROYZETTE, A.B. Nashville 1902.....Nashville, Tenn.
English, Education

WATSON, FRANK DEKKER, B.S. Pennsylvania 1908.....New York City
Sociology

WATTERS, FLORENCE ADA, A.B. Smith 1911.....New York City
Zoölogy, Botany

WAXMAN, MEYER, A.B. N. Y. Univ. 1911.....New York City
Philosophy, Semitics, Sociology

WEAGLE, JAMES ALBERT, A.B. King's 1905.....Norwood, N. J.
Philosophy

WEEKS, ESTELLA T., B.S. 1906.....New York City
Sociology

WEEKS, FRANK MILTON, A.B. Wittenberg 1883.....Omaha, Nebr.
History

WEI, WEN PIN, A.B. Peking 1908, A.B. Amherst 1910, A.M. 1911.....Peking, China
Economics, Sociology, International Law

WEIKERT, THEKLA ELIZABETH, A.B. Vassar 1910.....Englewood, N. J.
History, Economics

WEIL, BERENICE, A.B. N. Y. Normal 1911.....New York City
English

WEISMAN, CHARLES, B.S. C. C. N. Y. 1900, M.S. N. Y. Univ. 1902.... New York City
Chemistry

WEISS, CARRIE STIX.....New York City
English

WEISS, NINA HENRIETTE, A.B. Wellesley 1911.....New York City
English

WEISZ, NANDOR.....New York City
Economics, Philosophy

WELLES, KENNETH BRAKELEY, A.B. Yale 1908.....Scranton, Pa.
Philosophy

WELLINGTON, ELIZABETH ELLIOTT, A.B. Vassar 1901.....Bronxville, N. Y.
English, Comparative Literature

WELLS, CLARA, A.M. 1911, A.B. N. Y. Normal 1909.....New York City
Physics

WESTON, ARTHUR JAMES, A.B. Lehigh 1904, A.M. Yale 1905....East Orange, N. J.
English, Comparative Literature

WHICHER, GEORGE FRISBIE, A.M. 1911, A.B. Amherst 1910 ..Middle Haddam, Conn.
English, Comparative Literature

WHITELAW, WILLIAM MENZIES, A.B. Toronto 1910.....Toronto, Can.
Philosophy

WHITFORD, EDWARD EVERETT, A.B. Colgate 1886, A.M. 1890.....New York City
Mathematics

WHITMORE, BREWER GODDARD, A.B. Harvard 1910.....Malden, Mass.
English

WHITSON, WALTER WILKIN, A.B. Haverford 1908, A.M. 1909 .....Orange, N. J.
Social Economy, Sociology

WICKWIRE, ETHEL W., A.B. Tri-State 1909.....Angola, Ind.
Chemistry

WIGGAM, AUGUSTA, A.B. Emporia 1908, A.M. Clark 1909.....Emporia, Kan.
English, Comparative Literature

WIGGINS, ROBERT LEMUEL, JR.....Spartanburg, S. C.
A.B. Emory 1903, A.M. Vanderbilt 1907
English, Comparative Literature

WILCOX, CLARA LOUISE, A.B. Cornell 1902.....Covert, N. Y.
Botany

WILFORD, HERBERT EDWIN.....New York City
Latin

WILLARD, HELEN CAROLINE, A.B. Knox 1898.....Mt. Vernon, N. Y.
English, Comparative Literature

WILLIAMS, BLANCHE COLTON, A.M. 1908, A.B. Mississippi State 1898.New York City
English, Education

WILLIAMS, ELIZABETH AUGUSTA, B.S. Middlebury 1903.....Poultney, Vt.
Botany

WILMOT, MABEL E., A.B. Cornell 1908.....New York City
History

WILSON, MARTHA MCINTIRE, Ph.B. Oberlin 1894.....New York City
English, Education

WISCHKAEMPER, HENRY.....New York City
A.B. Wartburg 1906, B.D. Union Seminary 1910
Sociology, History, Economics

WOMACK, MARY DOUGLAS, B.S. Adelphi 1899.....New York City
Botany

WOOD, CHARLES MORGAN, Ph.B. Yale 1891.....New York City
Sociology, Social Economy, Economics

WOOD, MARY MORTON, A.B. Chicago 1905, A.M. Radcliffe 1906.....Eastport, Me.
English, Comparative Literature

WOODBURY, WALTER BLIGH, A.B. 1908, A.M. 1909.....Oneida, N. Y.
Romance Languages, Latin
WOODS, CLARA AVERY.....New York City
Sociology, Zoölogy
WOODWARD, HAROLD EDWARD, A.B. Amherst 1910.....Worcester, Mass.
Chemistry
WORTMANN, JOHANNA CAROLINE, A.B. Adelphi 1910.....New York City
German
WRIGHT, MARGARET CHOATE, A.M. 1910, A.B. Vassar 1908.....New York City
History, Economics
WYGAL, WINNIFRED CRANE, A.B. Drury 1906.....Springfield, Mo.
Social Economy
YAMAKAWA, YOSHIHIRO, Equiv. A.B. Kwansen 1908.....Osaka, Japan
Economics, Sociology, Public Law
YANAGISAWA, TAIJI, A.M. 1910, A.B. Waseda 1900.....Shigeno, Japan
Sociology, Anthropology, Economics
YANG, CHO, A.B. Imperial Univ. China.....Shanghai, China
Metallurgy, Mechanical Engineering
YANG, YING-YUEH.....Wusih, China
A.B. Imperial Polytechnic (Shanghai) 1907, A.M. Wisconsin 1910
Economics, Sociology, International Law
YARBOROUGH, MINNIE CLARE, A.B. South Carolina 1909.....Columbia, S. C.
English, Comparative Literature
YOUNG, ESTHER VICTORIA, A.B. N. Y. Normal 1909.....New York City
English
ZELLEN, OLGA OLIVE VON, A.B. Michigan 1905.....New York City
English, Comparative Literature
ZELLER, GUSTAV OSCAR, JR., A.B. Cornell 1911.....New York City
Chemistry, Education
ZIGROSSER, CARL DANIEL, A.B. 1911.....Newark, N. J.
Comparative Literature, English
ZINSSER, RUDOLPH, A.B. Princeton 1910.....New York City
Chemistry, Education

In addition to the 987 candidates for the degree of Master of Arts or Doctor of Philosophy 252 are registered under the Faculty of Philosophy with education as their major subject. The names of these candidates appear in the list of graduate students under Teachers College. (See page 362.)

SUMMARY

STUDENTS PRIMARILY REGISTERED UNDER THESE FACULTIES	1239
STUDENTS FROM OTHER FACULTIES OF THE UNIVERSITY, CANDIDATES FOR THE DEGREE OF A.M., LL.M., OR PH.D.:	
From the School of Law	57
From the Schools of Mines, Engineering, and Chemistry	6
From the School of Medicine	14
Grand Total	1316

387 students matriculated under the Faculties of Political Science, Philosophy, or Pure Science attended the Summer Session of 1911, but did not register for the first term of the academic year 1911–12.

FACULTY OF FINE ARTS

SCHOOLS OF ARCHITECTURE, MUSIC, AND DESIGN

The Faculty

The President of the University
Dean BURGESS
Associate Dean CARPENTER

Mr. ALEXANDER, Professors [2]COX, DOW, FARNSWORTH, FLETCHER, FRENCH, HAMLIN, HARRIMAN, HASTINGS, HIRTH, MASON, [1]OLCOTT, ROBINSON, RÜBNER, SHERMAN (F. D.), [2]SHOTWELL, SMITH (E. R.), WARREN, [3]WHEELER, YOUNG.

Officers of the Faculty

Professor BURGESS.....*Dean and ex-officio Member of the Council*
Professor CARPENTER.....*Associate Dean and ex-officio Member of the Council*
Professor SHOTWELL.....*Secretary*
Professor HAMLIN (Term expires 1914).....*Elected Delegate to the University Council*

Standing Committees

ON EDUCATION: The Dean (*Chairman*), Professors Hamlin, Mason, Dow, Sherman, Warren, Harriman.

ON SCHOLARSHIPS: The Dean (*Chairman*), Professors Sherman and Rübner

General Statement

The Faculty of Fine Arts, established March 5, 1906, comprises the three separately organized schools of Architecture, of Music, and of Design. Work in Architecture and in Music has long been carried on at the University, in the former subject about thirty and in the latter about fifteen years. On the other hand, until 1906 there had been no attempt to make any systematic provision for the needs of university students who seek opportunities in the study of painting, sculpture, and decoration, and it is by the creation of a School of Design in co-operation with the National Academy of Design that the University hopes in time to afford such

[1] Absent on leave 1911–12. [2] Absent on leave first half-year. [3] Absent on leave second half-year.

opportunities. The establishment of this new School, as yet tentative in its organization, has been made possible by an agreement between the Academy and the University on January 12, 1906. By such agreement the Art Schools of the Academy became closely associated with the University. They remain, however, entirely under the direction of the Academy, which preserves the independence secured to it by its own separate corporate existence.

Neither the University nor the Academy has at present at its disposal adequate resources to develop a complete system of instruction in the School of Design. A beginning, however, as set forth below (p. 330), has been made, and the University looks forward to the possibility of an adequate equipment for the new School.

For details as to the advantages which the city of New York offers outside of the University and the Academy for the study of the fine arts, and as to the public lectures, exhibitions, and recitals maintained by the University in addition to the regular academic program, the separately printed *Announcement of the Faculty of Fine Arts* should be consulted.

Admission

Except by special action of the Committee on Admissions, students under eighteen are not admitted. For regulations for admission for the certificate of proficiency see page 176, and for the regulations for the course for the Bachelor's degree in Architecture, see page 325; for that of Bachelor in Music, see page 329.

To Advanced Standing

Students desiring credit for courses pursued elsewhere must make application in writing to the Chairman of the Committee on Admissions on or before September 8, 1912, to reach him at least sixteen days before the University opens. The general regulations as to documents to be submitted and as to the acceptance of certificates are the same as for the Schools of Mines, Engineering, and Chemistry (see page 250).

Non-matriculated Students

The Committee on Admissions may admit students of mature age who are not candidates for a degree or certificate to such courses as they may be qualified to pursue. The qualifications necessary for admission as a non-matriculated student are:

In Architecture, in addition to three or more years of office-experience or its equivalent, a practical knowledge of architectural drawing of the five orders, and of shades and shadows, is required for the course in Architectural Design, and mathematics through plane trigonometry for the Mathematical and Architectural Engineering branches.

In Music, proficiency is determined by personal conference with some officer of the School.

In Design, students in the National Academy of Design and such other persons as have had adequate training and experience either in the history and theory or in the practice of the fine arts are admitted under this provision.

Non-matriculated students will be permitted to matriculate at any time upon fulfilling the stated entrance requirements, or they may be excused from these requirements by vote of the Faculty, if their work has shown marked excellence.

Fees

(See page 43)

Fellowships and Scholarships

(See page 432)

Examinations

Regular examinations in each course are held at the end of each half-year. All other examinations, except examinations for admission to advanced standing, are special examinations, for which the statutory fee of $5 is charged (see page 43). The dates of such examinations for students debarred or deficient at the regular examinations will be found in the academic calendar. Absence from any regular or delinquent examination for which a student is registered is regarded as a failure.

SCHOOL OF ARCHITECTURE

General Statement

The School of Architecture of Columbia University is a professional school for men and women designed to train its graduates for the active practice of architecture. Founded in 1881, under the direction of Professor William R. Ware, as a department of the School of Mines (now the Faculty of Applied Science), it was in 1902 made an independent School, and in 1906 placed under the Faculty of Fine Arts. It offers two regular courses in Architecture, one leading to the degree of Bachelor of Architecture, and the other leading to a Professional Certificate in Architecture. These courses are both of indeterminable duration, though they nominally cover four years.

Equipment

The equipment of the School consists of about 18,000 photographs and 800 books, chiefly the gift of Mr. F. A. Schermerhorn; a classified library of many thousands of prints and plates; a collection of manuscript drawings from the École des Beaux-Arts and other sources; about 9000

lantern-slides of architectural subjects; a collection of casts of architectural details, including a large number from ancient and modern Roman buildings, the gift of the late Mr. Charles Follen McKim; and an architectural museum containing a collection of models, building stones, tools, and materials.

The Avery Architectural Library of 25,000 volumes is the richest collection of works on architecture and allied arts in the country. It is open to the public from 9 A.M. to 6 P.M., and from 7 to 11 P.M.

There is in process of construction a new building to house the Avery Architectural Library, which will also provide new and adequate quarters or the School of Architecture. The building is the gift of Mr. Samuel P. Avery.

Lectures to students of architecture on scientific subjects allied to architecture are given to students of architecture in the Department of Physics, and the laboratories of the Schools of Engineering offer unexcelled opportunities to advanced students in architectural engineering.

The Willard collection of architectural casts and models in the Metropolitan Museum of Art is open to students every day and two evenings in the week. Buildings and building operations of the greatest value and interest to the student are always within reach, and visits and excursions to these during the second half of each year are made under the direction of an officer of the School.

Admission

(For general regulations see page 176)

To the Course for the Bachelor's Degree

Candidates must have completed the equivalent of two years of non-architectural studies in a recognized college or scientific school including elementary French. Some time may be saved by the anticipation of courses in mathematics; but professional courses in architecture may not be counted a part of such study.

Candidates must also show a practical knowledge of the orders of architecture, of the elements of architectural rendering, and of free-hand drawing.

To the Course for the Certificate

(See page 176)

Students from Other Institutions

Male students of any incorporated school of art in New York City and duly accredited students from the *ateliers* of the Society of Beaux-Arts Architects of this city may be admitted to certain courses upon payment of the prescribed fees.

Program of Studies

For the Degree of Bachelor of Architecture

The course outlined below is of indeterminate duration. Students of fair ability and thorough preparation should be able to complete it in four years.

For a short statement of the scope of the following courses see pages 57–175.

		POINTS
1	History of Architecture (A. 21, 22, 23, 24, 25, 26)	12
	History of Ornament (A. 31, 32, 33, 34, 35, 36)	6
	[1]Archæology in French and German (A. 41–42, 43–44)	8
	Research (24*a*, 26*a*)	4
2	Mathematics (Math. 2, 3–4, 5 or 6)	10
	Mechanics (Math. Physics 2 or 21)	3
	Architectural Engineering (A. 17–18)	9
3	Specifications (A. 11–12)	9
	Building Materials (A. 13–14)	4
4	Shades and Shadows (A. 5)	4
	Perspective (A. 7)	3
	Descriptive Geometry (A. 8)	7
	Stereotomy (A. 10)	2
5	Architectural Drawing (A. 3)	2
	Elementary Drawing (A. 71–72)	3
	Modelling, Water Colors (A. 73–74)	3
	Drawing from the Cast (A. 75–76)	3
	Advanced Drawing (A. 177–178)	4
6	Theory of Design (A. 51, 52, 53, 54, 55)	7
	Elements of Architecture (A. 1–2)	4
	Elementary and Intermediate Design (A. 61–62, 63–64)	18
	Advanced Design (A. 161–162)	15
	Thesis (A. 164)	4
	Advanced Research (A. 128*a*)	2
	Summer Work (A. 74, 74*a*, 76*a*)	6
	Total points required	152

The mathematical subjects and the three grades of Design must be taken in the prescribed sequence, and Advanced Drawing presupposes the more elementary branches. No student may take Advanced Design until he has completed 58 specified points (for details see the *Announcement*).

[1] Students desiring to substitute a course in Greek Archæology for one of these courses may elect Greek 51–52, or, if qualified therefor, Greek 149–150.

For the Certificate in Architecture

This course is intended to qualify the holder for general practice, and for registry under the Architects' License Laws of Illinois, New Jersey, and California. It omits the greater part of the mathematical studies and applied mechanics required of candidates for the degree, but includes simplified courses in Graphical Statics and Elementary Engineering in their stead, and optional courses in Analytical Geometry and the Calculus, with special reference to graphical methods and their usefulness in mechanics and engineering.

		POINTS
1	History of Mediæval and Modern Architecture (A. 23, 24, 25, 26)	8
	History of Ornament (A. 31, 32, 33, 34, 35, 36)	6
	Research (A. 24*a*, 26*a*)	4
2	Elementary Structural Design (A. 15–16)	7
3	Specifications (A. 11–12)	9
	Building Materials (A. 13–14)	4
4	Shades and Shadows (A. 5)	4
	Perspective (A. 7)	3
	Descriptive Geometry (A. 8)	7
	Stereotomy (A. 10)	2
5	Architectural Drawing (A. 3)	2
	Elementary Drawing (A. 71–72)	3
	Modelling, Water Colors (A. 73, 74)	3
	Drawing from the Cast (A. 75–76)	3
	Advanced Drawing (A. 177–178)	4
6	Theory of Design (A. 51, 52, 53, 54, 55)	7
	Elements of Architecture (A. 1–2)	4
	Elementary and Intermediate Design (A. 61–62, 63–64)	18
	Advanced Design (A. 161–162)	18
	Thesis (A. 164)	4
	Advanced Research (A. 128*a*)	2
	Summer Work (A. 72*a*, 74*a*)	4
And in addition, to be selected from the following:		
	Ancient Architectural History (A. 21, 22)	4
	Archæology in French and German (A. 41–42, 43–44)	
	Design (additional)	
	Drawing (additional)	
	Total points required	130

The regulations as to the order and combination are the same as for the candidates for the degree, except that only 52 points are required as prerequisite to Advanced Design.

Architectural Engineering

In view of the increasing importance of engineering training in certain classes of architectural work, adequate courses of instruction are provided for those who desire to specialize in this direction.

Such a group of courses is scheduled below, and may be pursued by any student who has completed the prerequisites for each course, and has acquired not less than 6 points in Intermediate Design (except for courses *a* and *b* under A. 113–114, and *f* under A. 117–118 which may be taken upon the completion of Elementary Design). The entire curriculum for the degree for students electing this group is as follows:

		POINTS
1	History of Mediæval and Modern Architecture (A. 23, 24, 25, 26)	8
	History of Ornament (A. 31, 32, 33, 34, 35, 36)	6
2	Mathematics (Math. 2, 3–4, 64–65)	15
	Mechanics (Math. Physics 2)	3
	Architectural Engineering (A. 17–18)	9
3	Specifications (A. 11–12)	9
	Building Materials (A. 13–14)	4
4	Shades and Shadows (A. 5)	4
	Perspective (A. 6)	3
	Descriptive Geometry (A. 7–8)	7
	Stereotomy (A. 10)	2
5	Architectural Drawing (A. 3)	2
	Elementary Drawing (A. 71–72)	3
	Modelling, Water Colors (A. 73, 74)	3
6	Theory of Design (A. 51, 52)	2
	Elements of Architecture (A. 12)	4
	Elementary and Intermediate Design (A. 61–62, 63–64)	15
7	Advanced Practice and Architectural Engineering (A. 111–112, 113–114, 117–118)	44
	Summer Work (A. 72*a*, 74*a*, 76*a*)	6
	Thesis (A. 164)	4
	Total points required	153

Courses in Landscape Architecture

The Faculty of Fine Arts has established a professional course in Landscape Design, under the School of Architecture, to lead to a Professional Certificate. A part of the instruction, including that in the elements of design, architectural history and theory, and architectural graphics and drawing, will be given in the School of Architecture; the more distinctly engineering instruction, with the mathematics, botany, dendrology, etc.,

will be given in the departments of mathematics and civil engineering; and the history, theory, and design of landscape art will be taught by experts under the auspices and by the co-operation of the American Society of Landscape Architects.

Graduate Courses

The courses in Advanced Design in combination with Advanced Drawing, in Graduate Design, in Advanced Engineering and Practice, in Graduate Engineering and Practice and in Graduate Research are accepted in fulfilment of the requirements for the degrees of Master of Arts and Doctor of Philosophy. In all cases, however, one of the two minor subjects required for a higher degree must be taken under one of the graduate Faculties of Political Science, Philosophy, or Pure Science. For information regarding the regulations governing these degrees and the selection of courses under these faculties, application should be made to the Secretary of the University.

Graduates of this School, and of other schools of architecture of like standing, who have had not less than one year of resident study in Columbia University, may pursue their studies in Advanced Design and Research in foreign schools of architecture, as candidates for the higher degrees in Columbia University, upon programs issued by this School.

SCHOOL OF MUSIC

General Statement

The Department of Music was established May 4, 1896, by means of the Robert Center Fund for Instruction in Music, an endowment presented to the University by Mrs. E. Mary Ludlow in memory of her son, the late Robert Center.

In 1906 the School of Music was established including both the department above mentioned and the department which had been developed independently in Teachers College.

The aim of the instruction is to treat music historically and æsthetically, as an element of liberal culture; to teach it scientifically and technically, with a view to training musicians who shall be competent to teach and to compose; and to provide practical training in orchestral music. The several courses have reference to the needs of the undergraduate, to those of the university student wishing to specialize in music, and to those of students who are candidates neither for a degree nor for a Certificate of Proficiency. Performances by the University Chorus and Orchestra are provided from time to time, for the members and friends of the University. There is, also, an annual concert of original compositions by students in the school. In addition, many public lectures, recitals, and concerts of various kinds are held.

Equipment

(See p. 139)

Admission

For the general regulations governing all students under the Faculty of Fine Arts see page 323.

Candidates for the Degree of Master of Arts

(See page 188)

Candidates for the Degree of Bachelor of Music

The requirements for admission to the course leading to the degree of Bachelor of Music are: (1) The completion of courses of study in Columbia College or Barnard College, amounting to a credit of 62 points (substantially, two years' undergraduate study), or of their equivalent elsewhere; (2) the ability to play, on the pianoforte, the Two-Part Inventions of Bach.

Candidates for the Certificate of Proficiency

(See page 176)

Program of Studies

The candidate for the degree of Bachelor of Music is expected to pursue courses of study aggregating, at least, 75 points, as follows:

a (prescribed). All the courses in composition and criticism offered by the School of Music; a year's course in each of the following: language, literature, history, and the fine arts other than Music.

b (elective). Other courses offered in the University, for which the student has the necessary prerequisite, especially courses in musical performance, æsthetics, physics, or psychology.

The candidate is further required to produce a satisfactory original composition for orchestra or with orchestral accompaniment, and to submit an essay on a musical subject.

The candidate for the Certificate of Proficiency is expected to fulfil the same requirements as in the course leading to the degree of Bachelor of Music (see above), except that only fifty points of credit are required. The same requirement is made with regard to the original composition and the thesis as in the case of a candidate for the degree of Bachelor of Music.

SCHOOL OF DESIGN

The School of Design offers opportunities for the practical and for the historical study of painting, sculpture, and decoration. The prac-

tical work may be taken in connection with courses offered by the National Academy of Design and by Teachers College. Certain courses in the School of Architecture are also available. The historical study of art, which is not yet fully organized, may be had in connection with reading courses in the Avery Library and with certain courses offered by different departments under the Faculty of Philosophy. No degree is at present awarded by the University in the School of Design, but students may receive a certificate upon the completion of a satisfactory course of study. This course should normally occupy the student for about three years and will be adjusted to his individual needs.

Admission

For the general regulations as to admission, see page 323.

Program of Studies for the Certificate of Proficiency

This course is intended to give the student, first, a broad outlook upon the whole field of the fine arts, by an outline study of the theory, criticism, and history of the arts in general; secondly, a more detailed acquaintance with the history and principles of the particular branch of the fine arts in which the student elects to specialize; and, thirdly, a sufficient amount and variety of technical training to qualify him to pursue with success the particular branch of art which he has elected, besides giving him some experience and understanding of the technical processes and methods of expression of other forms of art. It should be possible to complete the work for the certificate in about three years. One hundred and fifteen points are required for the certificate. Of these, 47 are assigned to prescribed courses, from 10 to 25 to elective courses, and the balance to work in the studio. Courses whose numbers are prefixed with the initials N. A. are given by the National Academy of Design; T. C. indicates that the course is given in Teachers College. Detailed information as to these courses will be found in the separately printed *Announcement of the Faculty of Fine Arts.*

REGISTER OF STUDENTS

School of Architecture

CANDIDATES FOR DEGREE

ALLEN, GEORGE MARCUS, B.S., E.M., Utah 1908 ..... Salt Lake City, Utah
BARNWELL, CLERMONT LIVINGSTON, A.B., Harvard 1910 ..... Tuxedo Park, N. Y.
BOYD, BYRON BENNETT, A.B., Colorado 1910 ..... Denver, Colo.
BRAINERD, HARRY BEARDSLEE, A.B. 1909 ..... New York City
BRANNER, JOHN KENNEDY ..... Stanford Univ., Calif.
FISHER, EDWARD EUGENE ..... Aurora, Ill.
FOGARTY, JAMES, B.S. Charleston 1908 ..... Charleston, S. C.
FORE, JAMES ALBERT, JR., A.B. North Carolina 1908 ..... Charlotte, N. C.
FRENDBERG, IRA CHARLES, A.B. North Dakota 1910 ..... Hillsboro, N. D.
GOLDMAN, HAROLD ..... New York City
GREENE, GILES POLLARD, A.B. Yale 1911 ..... Honesdale, Pa.
GRIFFITH, EDWIN ST. JOHN ..... Harper's Ferry, W. Va.
HAMLIN, TALBOT FAULKNER, A.B. Amherst 1910 ..... New York City
HILDEBRAND, ARTHUR STURGESS, A.B. Yale 1910 ..... Hartford, Conn.
HOPKINS, HENRY POWELL ..... Annapolis, Md.
HUGHES, TALMAGE COATES, B.S. Alabama Polytechnic 1910, M.S. 1911 ... Gadsden, Ala.
KOECHL, OTTO RUDOLPH, LL.B. 1907, A.B. Harvard 1904 ..... New York City
LATENSER, JOHN P., JR ..... Omaha, Neb.
LEÓN, TOMAS CARLOS ..... New York City
LIPPMANN, HERBERT MARKS, A.B. 1908 ..... New York City
MCDONNELL, JOE HUNTER ..... Little Rock, Ark.
MACKENZIE, JAMES CAMERON, JR., A.B. 1909 ..... Dobbs Ferry, N. Y.
MURPHY, JOHN FREDERIC ..... Des Moines, Iowa
NAUHEIM, MELVILLE, A.B. 1910 ..... New York City
PAGE, WILLIAM ENOCH ..... Haverhill, N. H.
REH, ISADORE, B.S. C. C. N. Y. 1906 ..... New York City
SALOMONSKY, EDGAR ALLAN, B.S. Washington and Lee 1911 ..... Norfolk, Va.
SCHULZ, PAUL, B.S. C. C. N. Y. 1909 ..... New York City
SIMMONS, WILLIAMSON ..... Norfolk, Va.
STANLEY-BROWN, RUDOLPH, Ph.B. Yale 1909 ..... Cold Spring Harbor, N. Y.
THIESEN, JOHN HENRY ..... Pensacola, Fla.
WALSH, HAROLD VANDERVOORT ..... Yonkers, N. Y.
WARD, WALTER LESTER, Litt. B. Princeton 1910 ..... Newark, N. J.
ZETSCHE, ROBERT GUNTHER ..... New York City

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CANDIDATES FOR CERTIFICATE

AGNE, HARRY GEORGE ..... New York City
AGNEW, WILLIAM CHALMERS, JR ..... Duluth, Minn.
BARTOS, ELMER E ..... New York City
BENDERNAGEL, CHARLES EDWARD ..... New York City
BERLENBACH, CHARLES FRANCIS ..... New York City
BOWDEN, REUBEN HENRY ..... Willimantic, Conn

BROWN, BACHE HAMILTON ..... New York City
CANDELA, ROSARIO ..... New York City
CASALE, JAMES EMANUEL ..... New York City
CHILD, HENRY T ..... New York City
CLINCH, HOWARD TODD ..... New York City
CLOSE, BERNARD WELLS ..... New York City
CLOUGH, ARTHUR NORMAN ..... New York City
CROMWELL, WILLIAM ALLEN, JR ..... Mamaroneck, N. Y.
DAVIS, WILLIAM HENRY ..... New York City
DICK, D. EDWARD ..... Charleston, W. Va.
DITMAN, MARION, A.B. Smith 1911 ..... Englewood, N. J.
DORFMANN, DAVID WALDEMAR ..... New York City
EGAN, JOHN TAYLOR ..... Flushing, N. Y.
FANNING, EDWARD FRANCIS ..... New York City
FOSTER, DANIEL PRITCHARD ..... East Orange, N. J.
FREEHOF, MORTIMER EDGAR ..... New York City
FREES, HARRY JOHN ..... New York City
FREUDENFELS, EMIL ..... New York City
GIROUX, LEON MAXWELL ..... New York City
GRANGER, HAROLD STORY ..... New York City
GREENBERG, JULIUS RUDOLF ..... New York City
GROSS, HAROLD ..... New York City
HAFF, KENNETH G ..... Islip, N. Y.
HAIRE, THOMAS C ..... Helena, Mont.
HESSE, WALTER ..... New York City
HILDER, JOHN CHAPMAN ..... New York City
HIRSCHFELD, LEONARD ..... New York City
HOWITT, LOUIS ROMER ..... White Plains, N. Y.
HUESMANN, LOUIS B ..... Hoboken, N. J.
IDE, JOHN JAY ..... New York City
JOSEPH, LEONARD ..... New York City
KNAPPE, ADOLPH HERMAN ..... Milwaukee, Wis.
LACY, PHILIP SAWYER ..... New York City
LA PIERRE, LESTER STORMS ..... New York City
LARSON, GEORGE BERNARD ..... Fargo, N. D.
LASHKOWITZ, BENJAMIN DAVID ..... Newark, N. J.
LATENSER, FRANK JOSEPH ..... Omaha, Neb.
LINDSLEY, GIRARD ..... Orange, N. J.
LYON, LELAND HUBBELL ..... Danbury, Conn.
MEAD, MARCIA J ..... Youngsville, Pa.
MONTANARO, FRANK BIAGGIO ..... New York City
MORRIS, RAYMOND MONTROSE ..... New York City
MULLER, RICHARD THEODORE ..... New York City
NIENBURG, FREDERICK JOHN ..... New York City
PARK, EDWIN AVERY ..... New Haven, Conn.
PATERSON, STUART ..... New York City
POLHEMUS, HENRY MARTIN ..... Englewood, N. J.
PONSFORD, HENRY JORDAN ..... El Paso, Texas
RISLEY, WINCHTON LEAMON ..... Lima, Ohio
ROBIN, EDWIN JEROME ..... New York City
RUFFIER, GASTON ..... New York City
SCHENE, LOUIS HENRY HERMAN ..... New York City
VON SCHWANENFLUEGEL, HUGO ..... New York City
SEIDENBERG, RODERICK ..... New York City
SHENFIELD, LAWRENCE LEWIS ..... New York City
SMITH, STEPHEN ERNEST ..... White Plains, N. Y.

SQUIRES, LAWRENCE WENDELL.....Good Ground, N. Y.
STEAD, MANNING FORCE.....Washington, D. C.
THOMPSON, WILLIAM STUART.....New York City
TRACEY, JOHN.....Albany, N. Y.
VASSAR, HAROLD WORTH.....Ballston Spa, N. Y.
WOOD, WILLIAM HALSEY.....Kent, Conn.
WORTHINGTON, ADDISON FOARD.....Relay, Md.
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NON-MATRICULATED STUDENTS

ANDREE, FRANK.....Milwaukee, Wis.
BAUM, HARVEY ANDREW.....New York City
BRIGHAM, NORMAN REED.....Columbus, Ohio
BUTLER, HAROLD HAMPTON.....New York City
CHRISTIANSON, ELNA SIGRID.....New York City
CORDNER, GEORGE FRANCIS.....Jersey City, N. J.
DIBBLE, WALLACE EDWIN.....Springfield, Mass.
GENSCHER, CHARLES, JR.....New York City
GODDARD, ROWLAND GARDNER.....Bristol, R. I.
GOODWIN, PHILIP LIPPINCOTT, A.B. Yale 1907.....New York City
HALL, BERNICE KINGSTON.....Puyallup, Wash.
HICE, HARRY.....Indianapolis, Ind.
JONES, EARNEST EARL.....Los Angeles, Calif.
KING, FREDERIC RHINELANDER, A.B. Harvard 1908.....Newport, R. I.
LOEB, LAURENCE MORITZ.....New York City
LYDECKER, CHESTER ALAN.....Maywood, N. J.
MORGAN, LLOYD.....Jersey City Heights, N. J.
PEACOCK, URBAN FREDERICK.....Milwaukee, Wis.
POND, DE WITT CLINTON, B.S. Trinity 1908.....Hartford, Conn.
PURCELL, BURGO.....Los Angeles, Calif.
SEDGWICK, HENLY RENWICK.....New York City
SHAWHAN, ROMER.....New York City
THAYER, EDGAR RANDOLPH.....Yonkers, N. Y.
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CANDIDATES FOR THE HIGHER DEGREES

BACH, RICHARD FRANZ, A.B. 1908.....New York City
PITT, GERARD.....New Rochelle, N. Y.
REB, ISADORE, B.S. C. C. N. Y. 1906.....New York City
STORK, EDWARD JOHN, B.S. 1907.....Jersey City, N. J.
[4]

School of Music

GRADUATE STUDENTS

KILEŃYI, EDWARD, Equiv. A.B. Gymnasium Hungary 1904.....New York City
POWELL, ALMA WEBSTER, A.M. 1911, LL.B. N. Y. Univ. 1900.....New York City
[2]

CANDIDATES FOR DEGREE

BALSAM, JAMES, A.B. C. C. N. Y. 1909.....New York City
ESSIG, FRANK THEODORE.....East Orange, N. J.
TALLMAN, GLADYS GRIFFITH.....New York City
[3]

NON-MATRICULATED STUDENTS

BLINK, BENJAMIN Z.....New York City
DYE, HAROLD BRICKEN.....Newark, N. J.
HOFHEIMER, GRACE MARY.....New York City
JAMES, JULIA BELL, A.B. Baylor 1897.....Belton, Texas
MCCRERY, GERTRUDE.....Calvert, Texas
PRITT, ADA A.....New York City
ROBERTS, GEORGE H., A.B. Dartmouth 1891.....Boston, Mass.
ROBINSON, MARIA M., M.D. N. Y. Medical 1883.....New York City
SCHLEICHER, EUGENE M.....Annandale, N. Y.
SCHMIDT, ELOISE PRICE.....New York City
SILVER, MEYER.....New York City
TAUSSIG, RUTH B.....New York City
TOOKER, MRS. MAUD W.....Larchmont, N. Y.
TOOKER, MILDRED DURAND.....Larchmont, N. Y.
YOUNG, MRS. ALINE B.....New York City

[15]

SUMMARY—FINE ARTS

ARCHITECTURE

Students candidates for degrees	34
Students candidates for certificates	69
Non-matriculated students	23
Candidates for the higher degrees	4
Students from Columbia College	9
Total Architecture	139
Music	20
Grand Total	159

BARNARD COLLEGE

TRUSTEES

Silas B. Brownell, LL.D., *Chairman*
Mrs. A. A. Anderson, *Vice-Chairman*
Frederic B. Jennings, *Clerk*
George A. Plimpton, *Treasurer*

Silas B. Brownell, LL.D.
Mrs. Joseph H. Choate
Mrs. Alfred Meyer
George A. Plimpton
Mrs. James Talcott
Mrs. Henry Fairfield Osborn
Mrs. A. A. Anderson
Edward W. Sheldon
Rev. William M. Grosvenor, D.D.
Seth Low, LL.D.
Frederic B. Jennings
Mrs. Henry N. Munn

President Butler
Albert G. Milbank
Miss Clara B. Spence
Howard Townsend
Mrs. Gino C. Speranza
John G. Milburn
George L. Rives
Miss Charlotte S. Baker
Horace W. Carpentier
Pierre Jay
Mrs. Charles Cary Rumsey
Mrs. Herbert Parsons

Standing Committees

1911

Executive Committee: Dr. Brownell (*Chairman*), Mrs. Anderson (*Vice-Chairman*), Mr. Jennings (*Clerk*), Mr. Milbank, Mr. Milburn, Mrs. Spence, Mrs. Osborn, Mr. Sheldon, the President, and the Treasurer (*ex-officio*).

On Finance: Mr. Milbank (*Chairman*), President Butler, Mr. Plimpton and the Chairman of the Board of Trustees (*ex-officio*).

On Buildings and Grounds: Miss Baker (*Chairman*), Mr. Townsend, Mrs. Munn, the President, and the Chairman of the Board of Trustees (*ex-officio*).

On Education: Mr. Rives (*Chairman*), Miss Spence, Mrs. Speranza, the President and the Chairman of the Board of Trustees (*ex-officio*).

OFFICERS OF INSTRUCTION

The Faculty

The President of the University
Dean GILDERSLEEVE
[1] Provost BREWSTER

Professors BALDWIN, BOTSFORD, BRAUN, CHADDOCK, [1] CLARK, COLE, CRAMPTON, FARRAND, GERIG, GIDDINGS, HAZEN, HUBBARD, JACOBY, JONES, KASNER, KNAPP, LOISEAUX, LORD, MCCREA, MALTBY, MONTAGUE, MOORE (H. L.), MUSSEY, OSBURN, OSGOOD, PERRY, REIMER, RICHARDS, [3] ROBINSON, SELIGMAN, [3] SHOTWELL, THOMAS, TRENT, VAN HOOK, WEEKS (M. F.), WEEKS (R.), [3] WHEELER.

Officers of the Faculty

Professor GILDERSLEEVE.....*Dean and ex-officio Member of the University Council*
[1] Professor BREWSTER.....*Provost and ex-officio Member of the University Council*
Professor TRENT.....*Acting Provost and ex-officio Member of the University Council*
Professor CRAMPTON (Term expires 1911).....*Elected Delegate to the University Council*
Professor ROBINSON (Term expires 1912).....*Elected Delegate to the University Council*
Miss MEYER.....*Secretary*

Standing Committees of the Faculty

BARNARD MEMBERS OF THE UNIVERSITY COMMITTEE ON UNDERGRADUATE ADMISSIONS: Professors JONES, *Chairman*, COLE, BREWSTER, and VAN HOOK.

COMMITTEE ON INSTRUCTION: The PROVOST, *Chairman*, Professors ROBINSON, KNAPP, RICHARDS, MONTAGUE, REIMER, CRAMPTON, and MUSSEY, and the DEAN (*ex-officio*).

COMMITTEE ON SCHOLARSHIPS: The DEAN, *Chairman*, Professor HUBBARD and Dr. HIRST and the PROVOST (*ex-officio*).

COMMITTEE ON HONORS: Professors TRENT, *Chairman*, MALTBY, and KASNER and the DEAN and the PROVOST (*ex-officio*).

COMMITTEE ON STUDENT ORGANIZATIONS: The DEAN, *Chairman*, Miss WEEKS, and Professor BRAUN, and the PROVOST (*ex-officio*).

For the other officers who may give instruction to students of Barnard College, consult the several departmental statements.

[1] Absent on leave 1911–12
[3] Absent on leave second half-year

Officers of Administration

(See page 5)

GENERAL STATEMENT

In 1883 the Trustees of Columbia College offered degrees to women who should be able to pass the necessary examinations, without, however, providing instruction for them. The resulting system, called *The Collegiate Course for Women*, proved unsatisfactory to both parties. Therefore Barnard College was organized in 1889 to provide instruction for women which should be identical with or equivalent to that provided by Columbia for men.

For eleven years it duplicated for women as far as possible the curriculum of Columbia College, and also registered for graduate work under the University Faculties women who held the bachelor's degree from institutions of good standing. Its instructors were members of the University staff. Examinations for entrance, those given in course, and those for degrees, were conducted by Columbia University. During the first three undergraduate years separate instruction was given to women; in the senior year they were admitted to certain courses in the University. Graduate students attended many courses at the University under the Faculties of Philosophy, Political Science, and Pure Science, the laboratory work in science being done at Barnard College.

However, Barnard's numerical growth made inappropriate the informal arrangement for instruction which was the natural method at the outset, and it became necessary to recognize formally the status which had gradually come into existence. Accordingly, an agreement was entered into in January, 1900, by which Barnard was included in the University system. Barnard is now an independent college for women with a corporation and a faculty of its own vested with all the powers commonly belonging to such bodies. At the same time, it shares the library, the instruction, and the degrees of Columbia University.

A more exact idea of the relations between Barnard College and Columbia University and also of the relations between Barnard College and Teachers College is given in the *résumé* of the agreement above mentioned to be found in the current edition of the *Announcement of Barnard College*. This may be obtained without charge upon application to the Secretary of Barnard College.

ADMISSION

(See page 176)

Admission on Probation

A candidate for admission who has not secured the prescribed 14½ units may be admitted to the freshman class with conditions, if in the judg-

ment of the Committee on Admissions she is qualified to undertake the work of the class. General deficiency in any prescribed subject will disqualify for admission. Except for reasons of weight, a student who has failed to complete a course in a good high school or preparatory school will not be admitted with conditions.

A student admitted conditionally or by certificate will be held under probation during the first half-year of residence. For a detailed statement regarding the conditions of probation, see the *Announcement of Barnard College*, which can be obtained without charge from the Secretary of Barnard College.

To Advanced Standing

See the "Requirements for Admission to Advanced Standing in Columbia College," page 194.

In addition, the credits granted in any subject to a student admitted with advanced standing may be withdrawn or diminished in amount, if, in pursuing such subject after admission to Barnard College, the student proves that the granting of the credits was wholly or in part unwarranted by her previous work.

No student may receive a degree who has resided less than two full half-years at Barnard College.

No applicant will be allowed to enter the senior class as a candidate for a degree after October 15 in any year.

As Special Students

Candidates for admission as special students must make application in writing at least one week before the first day of the entrance examinations in September or in January. Proper blanks for this purpose may be obtained from the Secretary.

Special students in Barnard College are of two classes: non-matriculated and matriculated.

Non-matriculated special students must be women of mature age who wish to pursue chiefly advanced courses of special study. They may be admitted at the discretion of the Committee on Admissions without passing formal entrance examinations. They must furnish proof that they have at some time pursued the studies included in the matriculation examinations and must satisfy the requirements of the department that they desire to enter. Candidates desiring to pursue merely elementary courses, as in languages, etc., will not be admitted as non-matriculated special students.

No courses taken by non-matriculated special students can at any time be counted by them toward a degree.

Matriculated special students are women who wish, without taking a degree, to make a serious study of some subject or group of subjects.

They must pass the regular examinations for admission to the freshman class and have full credit for fourteen and one half (14½) units of the entrance requirements. (See p. 176.) They may, therefore, in event of a change of plan be credited with such of their courses as may coincide with the courses leading to a degree.

Information regarding the regulations governing the election of studies, amount of work, attendance, examinations, etc., of special students is contained in the *Announcement of Barnard College*, which can be obtained without charge from the Secretary of Barnard College.

MATRICULATION, REGISTRATION, FEES

Detailed information regarding matriculation, registration, and fees will be found in the current *Announcement of Barnard College*, which can be obtained without charge on application to the Secretary of Barnard College.

DORMITORY

(See page 54)

THE PROGRAM OF STUDIES

Upon completion of a curriculum arranged on one of the plans to be described below, the student is recommended by the Faculty of Barnard College for the degree of Bachelor of Arts or Bachelor of Science.

I THE PROGRAM OF STUDIES FOR THE DEGREE OF BACHELOR OF ARTS

Unless the equivalents are offered for admission, the following courses are prescribed:

English A and B	12	points
French A and German A	12	"
History A	6	"
Latin A or B and Latin 19–20 or Latin 11–12	6	"
Mathematics A	6	"
Philosophy A	6	"
Physical Education A and B	4	"
Economics A	6	"
Chemistry 5–6 or Physics 11–12	6	"
Botany, Chemistry, Geology, Physics, Psychology (Experimental), *or* Zoölogy: two half-year courses in addition to Physics 11–12 or Chemistry 5–6 or any course in science that may have been offered for admission	6	"
Major subject	18	"
Free electives to complete the total of	124	"

II THE PROGRAM OF STUDIES FOR THE DEGREE OF BACHELOR OF SCIENCE

Unless the equivalents are offered for admission, the following courses are prescribed:

English A and B	12 points
French A and German A	12 "
History A	6 "
Mathematics A	6 "
Philosophy A	6 "
Physical Education A and B	4 "
Grouped work in astronomy, botany, chemistry, geography, geology, mineralogy, physics, experimental psychology, and zoölogy, amounting to a total of at least	70 "
(Of these 70 points at least 28 points shall be taken in a major subject, at least 12 points in an allied minor subject, and at least 12 points in a diverse minor.)	
Free electives to complete the total of	124 "

III GENERAL TWO YEARS' COURSE, NOT LEADING TO A DEGREE

This general course is specially arranged to furnish the collegiate foundation for professional work at Teachers College. It comprises 64 points of work and includes the following prescribed courses unless their equivalents have been offered for admission:

English A or a more advanced course in rhetoric	6 points
English Literature: two half-year courses	6 "
French, German, Italian, Spanish: two half-year courses in each of two modern languages, preferably French and German	12 "
History A or a more advanced course in history	6 "
Physical Education A and B	4 "
Botany, chemistry, geology, physics, or zoölogy: two half-year courses in each of two natural sciences that have not been offered for entrance, at least	12 "
Elective courses to complete the total of	64 "
In regard to the choice of elective courses a student should seek the advice of the professor in charge of her prospective major subject in Teachers College.	

With the consent of the Dean of Barnard College and the Dean of Teachers College a student who has satisfactorily completed 64 points of work in Barnard College, including the courses listed above, may transfer, without examination, to the professional curriculum of Teachers College

and become a candidate for a Teachers College diploma and the degree of Bachelor of Science in Education.

IV OPTIONS IN THE PROFESSIONAL SCHOOLS FOR CANDIDATES FOR A BARNARD COLLEGE DEGREE

A student may plan her work in such a way as to earn a professional diploma from Teachers College at the same time as her academic degree from Barnard College. With the permission of the Dean of Barnard College and the Dean of Teachers College she may transfer to Teachers College at the end of her junior year under the following provisions. A candidate for the degree of Bachelor of Arts must have completed 94 points of work in Barnard College, comprising all of the required courses, including a major subject of at least 18 points and Education A. A candidate for the degree of Bachelor of Science must have completed 94 points of work at Barnard College, comprising all of the specifically prescribed courses and of the grouped work a major subject of at least 28 points with an allied minor subject of 12 points and Education A.

On receipt of a statement from the Faculty of Teachers College that a student so transferred has satisfactorily completed the requirements for the bachelor's diploma in Teachers College, the student will be recommended by the Faculty of Barnard College for the degree of Bachelor of Arts or Bachelor of Science, provided she shall have fulfilled the requirements for either of those degrees as laid down in the *Announcement of Barnard College.*

For full details regarding the major subjects in teaching, their requirements and prerequisites in collegiate work, and the most advantageous division of work in education, the student is referred to the current *Announcement of Teachers College.*

Scholarships, Prizes, and Honors

(See page 432).

REGISTER OF STUDENTS

BARNARD COLLEGE

SENIORS—CLASS OF 1912

Candidates for the A.B. Degree

Augur, Margaret Avery	New York City
Barrett, Mabel	Springfield, O.
Berrian, Georgina	New York City
*Blumgarten, Sarah Lillian	Bayonne, N. J.
Borchardt, Gertrude Saraphine	New York City
Bunzel, Bessie	New York City
Burkholder, Hazel	New York City
Cerow, Georgia Angela	New York City
Clark, Agnes Young	Livingston, Ala.
Coyle, Molly Brooke Temple	New York City
Cusack, Gertrude Cecilia	New York City
Deacon, Edith May	New York City
*Dodge, Mildred	New York City
Doty, Eleanor Mandeville	New York City
Evans, Alice Belton	New York City
Felch, Ethel Louise	New York City
Fitz, Louise	Peconic, N. Y.
Green, Grace Barrington	Louisville, Ky.
Griffin, Agnes Dorothy	Cresskill, N. J.
Hallock, Anna Cobb	New York City
Hamburger, Mildred Valentine	New York City
Hardy, Edith Frances	New York City
Hazel, Florence Louise	White Plains, N. Y.
Heilprin, Marion	Washington, D. C.
Hodges, Mildred Livingston	New York City
Hoffman, Phebe Edith	New York City
Jones, Elizabeth Tompkins	White Plains, N. Y.
*Kahn, Caroline	New York City
Keenan, Irene Dolores	New York City
Kempton, Ethel May	Yonkers, N. Y.
Kutner, Margaret	New York City
Lambert, Paula Claire	New York City
Landru, Lucy Emilie	Paterson, N. J.
London, Irene Eleanor	New York City
*Loughren, Amanda	Elizabeth, N. J.
McKenzie, Isabel	East Orange, N. J.
MacDonald, Lillian Alma	Newark, N. J.
Mahon, Dorothea Helen	New York City
Marks, Rosa	Crawford, Tex.
Martin, Alice Craige	Jersey City, N. J.
Mathews, Eleanor Allison	New York City
Mehler, Elsa Sauter	New York City

Minor, Susan Brown.....Freehold, N. J.
Misch, Alma Ida.....New York City
Mordecai, Lucile.....New York City
Morrison, Isabelle Drummond.....New York City
Myers, Eleanore.....New York City
Nyitray, Louise.....New York City
O'Rourke, Margaret.....White Plains, N. Y.
Oellrich, Paula Frieda.....East Orange, N. J.
Reardon, Elizabeth.....Yonkers, N. Y.
Rees, Florence duBois.....New York City
Rees, Vera Marguerite.....Westernville, N. Y.
Reese, Claire Hildegarde.....New York City
Rogers, Frances E.....Babylon, N. Y.
Schweis, Etta May.....New York City
Scully, May Agnes Pyne.....New York City
Sharpe, Philadelphia Masters.....Moorhead, Minn.
Shaw, Mary Braman.....New York City
Shelley, Doris Marguerite.....New York City
Sherin, Lila Marjorie.....New York City
Smith, Virginia.....Babylon, N. Y.
Southerton, Margaret.....New York City
Spear, Dorothy Alice.....New York City
Stack, Elizabeth Myres.....Utica, N. Y.
Stegman, Beatrice Clara.....Hoboken, N. J.
Thees, Cora Rohde.....New York City
*Thompson, Ruberta.....New York City
Valet, Edith Moore.....New York City
Van Vranken, Florence.....New York City
von Wahl, Constance William.....New York City
*Walther, Catherine Margaretta.....Mount Vernon, N. Y.
Weaver, Amy.....New York City
Wilson, Annie Stavely.....Newark, N. J.
Wunderlich, Elsa Pauline.....Tarrytown, N. Y.
Ziegler, Edna Eberly.....New York City

Candidates for the B.S. Degree

Jud, Frieda Catharine.....Jersey City, N. J.
Lewontin, Esther.....New York City

Seniors—Class of 1912..... 78

* Candidates for Teachers College Diploma in Education.

JUNIORS—CLASS OF 1913

Candidates for the A.B. Degree

Anderson, Florence De Noyelles.....Haverstraw, N. Y.
Armstrong, Nathalie Victoria.....Upper Montclair, N. J.
Auerbach, Jennie Gabriel.....New York City
Ballot, Marthe Rosalie Laure.....New York City
Balmford, Edith Frances.....New York City
Barrett, Alice Adeline.....New York City
Bishop, Beulah Irene.....Delphos, Kan.
*Booth, Edna Lillian.....New York City
Brown, Alice Gundesen.....Perth Amboy, N. J.
Brown, Grace D.....New York City

BUNZL, MADELAINE EMILY.....New York City
BURGESS, ESTHER LEONORE.....New York City
BUTTENWIESER, CLARA.....New York City
CAGLIOSTRO, CONCETTA LOUISE.....New York City
CALLAN, MARION ELISABETH.....New York City
CASE, ROSALIND CORWIN.....Peconic, N. Y.
CHEESMAN, DOROTHY HOWLAND.....New York City
CLARKE, ROSEMARY.....Lake Mahopac, N. Y.
COMES, LOUISE.....Hackensack, N. J.
CRADDOCK, CATHERINE ETHEL.....New York City
CROSBY, HELEN MARGARET.....Centerville, Mass.
CROWELL, GLADYS.....Perth Amboy, N. J.
DANA, HELEN MANLEY.....Tarrytown, N. Y.
DAVIS, RUTH MIRIAM.....New York City
DESSAR, AMY GRACE.....New York City
DIEHL, MARY VICTORIA.....West New York, N. J.
DOENHOFF, DOROTHEA VON.....New York City
DOUGLAS, ISABELLA PRESTON.....New York City
DOWNS, BESSIE.....Jersey City, N. J.
DUYN, MARGUERITE ELIZABETH VAN.....New York City
EDELL, ALBERTA CAROLINE.....Blossvale, N. Y.
EMERSON, NANNIE MELL.....Demarest, N. J.
EMMONS, MARTHA.....New York City
FEELEY, VERA ELIZABETH.....New York City
FISCHEL, REBECCA VIOLA.....New York City
FISCHER, GRACE MARION.....New York City
FITZGERALD, HENRINE BROWN.....Middletown, N. Y.
FLEISCHMAN, DORIS ELSA.....New York City
FLEMING, EDITH JOSEPHINE.....New York City
FOLAND, HELEN AUGUSTA.....New York City
FRANKLIN, ELINOR.....New York City
FRANKLIN, MARJORIE LORNE.....New York City
FREAR, IRENE LOUISE.....New York City
FREUDENTHAL, RHODA FLORENCE.....New York City
GANS, PAULINE.....Baltimore, Md.
GIRDNER, PENELOPE MORGAN.....New York City
GLAHN, IRMA VON.....Red Bank, N. J.
GLEASON, SHIRLEY.....New York City
GLENN, IRENE LOUISE.....New York City
GOLDMAN, HARRIET LOIS.....New York City
GOLDSTEIN, REBECCA.....New York City
GOTTLIEB, SAIDA ELSA.....New York City
GOUGH, ZELLA MARY.....Mount Vernon, N. Y.
GRAY, ELIZABETH PERINE.....New York City
GRAY, KATHLEEN FRANCES.....New York City
GREENWOLD, MAY SUNEVA.....New York City
GRENELLE, MIRIAM BATHSHEBA.....Haworth, N. J.
GUY, RUTH ALLINE.....New York City
HALFPENNY, EDITH.....Lynbrook, N. Y.
HARRIS, NAOMI.....New York City
HASBERG, GLADYS STELLA.....New York City
HAWKEY, ETHEL MAY.....Hackensack, N. J.
HELLER, ELSA MARION.....New York City
HENDRICKS, ROWENA.....Mount Vernon, N. Y.
HESSBERG, MAY SYLVIA.....New York City
HILDEBRAND, MARY ANNA.....New York City

HILLAS, MARY ..... West Hoboken, N. J.
HOLLOWAY, MARIE EDNA ..... New York City
HOOVER, ELVA DAWSON (Mrs. M. M. HOOVER) ..... Chambersburg, Pa.
HORKHEIMER, PAULINE ..... Wheeling, W. Va.
HOUGH, VIRGINIA ..... Augusta, Ga.
HOUGHTON, ELEANOR GREGORY ..... Denver, Colo.
HUBERT, EMMA SOPHIA ..... Mount Vernon, N. Y.
HUBERTY, MARY AGNES ..... New York City
IRELAND, IMOGENE BELLE ..... Yonkers, N. Y.
ISABEL, ERNESTINE CHARLOTTE ..... New York City
*JOHNSON, IRENE GRACE ..... Mount Vernon, N. Y.
JONES, EDITH LYDIA ..... New York City
JUNGHANS, BERTHA ..... New York City
KATZ, MOLLIE ..... New York City
KELLEY, MARGARET FRANCES ..... Mount Vernon, N. Y.
KINCH, DOROTHY ..... New York City
KOSS, ISABEL GLEN ..... New York City
LACEY, OLGA VERONICA ..... New York City
LATZKE, FRANCES RENSHAW ..... New York City
LATZKE, PAULINE ..... New York City
LELAND, MARGARITA EMILY ..... Mechanicville, N. Y.
LINGG, SOPHIE CLAIRE ..... New York City
LOCKWOOD, PRISCILLA ..... New York City
LOWTHER, FLORENCE DE LOISELLE (Mrs. H. LOWTHER) ..... New York City
MCGIVNEY, VIRGINIA ISABELLE ..... New York City
MACDONALD, BESSIE NELSON ..... New York City
MAGID, AUGUSTA ..... New York City
MORRIS, GERTRUDE ELIZABETH ..... New York City
MULQUEEN, MARY ..... New York City
MUMFORD, AMELIA ROBINSON ..... Saratoga Springs, N. Y.
MURPHY, IRENE CECILIA ..... Weehawken, N. J.
NAUMBURG, MARGARET JEANNETTE ..... New York City
NEACY, ANNA ..... Milwaukee, Wis.
NEUGASS, MARGUERITE MINNIE ..... New York City
NEWMAN, MARION ROSE ..... New York City
NEWMARK, SOPHIA ..... New York City
NOBLE, KATHARINE ..... New York City
NOYES, ISABELLE FLEMING ..... Port Chester, N. Y.
OERZEN, ELEANOR MARGUERITE ..... New York City
OSTERBERG, RUTH ANNA ..... New York City
OTTEN, EDNA MAY ..... New York City
PARKS, EDDIE THOMAS ..... New York City
PAWLEY, ANNABELLE ..... New York City
PEARSON, GRACE MADELEINE ..... New Rochelle, N. Y.
PERO, SALLIE ..... New York City
PLUMMER, HELEN COOK ..... Cranford, N. J.
POOR, PAMELA ..... New York City
POWELL, LUCY REED ..... Portland, Ore.
READY, ELIZABETH PERKINS ..... Jersey City, N. J.
REILLY, LILLIE ..... New York City
REYNOLDS, BEATRICE ..... Isle la Motte, Vt.
RICHEY, MARGARET CECELIA ..... New York City
ROBINSON, MARJORIE ..... Jersey City, N. J.
ROGERS, GRACE JOSEPHINE ..... New York City
ROSENBLATT, EDITH GERTRUDE ..... New York City
RUSK, HESTER MARY ..... St. Joseph, Mo.

Salzman, Anna Beatrice.....New York City
Savage, Jane Mary Blake.....Rutherford, N. J.
Segee, Gladys Renshaw.....New York City
Seibert, Harriet.....New York City
Shannon, Regina Leonore.....New York City
Shaw, Jean MacLean.....Rockland Lake, N. Y.
Shook, Constance.....Greencastle, Pa.
Smith, Abbie.....New York City
Sperling, Joan Louise.....New York City
Stewart, Mary Wotherspoon.....New York City
Stobo, Jeannette Russell.....New York City
Straiton, Chrystene.....New York City
Turck, Viola.....New York City
Tyndall, Ruth Mitchell.....New York City
Unti, Irma.....New York City
Villalvilla, Maria Diaz de.....New York City
Voorhis, Sarah Graham.....New York City
Voyse, Mary.....Yonkers, N. Y.
Watson, Margaret Wickham.....New York City
Weaver, Bertha.....New York City
Webb, Ethel Willard.....Mount Vernon, N. Y.
Weil, Lucille.....New York City
Whelan, Mary Elizabeth.....Mondovi, Wis.
White, Varian.....Hackensack, N. J.
Wilmot, Harriet Elvira.....New York City
Wolff, Marion.....New York City
Wood, Margaret Eloise Macdonald.....New York City
Wood, Rose Belle.....Danville, Ky.
Woodruff, Jennie Estelle.....Passaic, N. J.
Woolworth, Anna Belle.....New York City

Candidates for the B.S. Degree

Cohen, Lena.....Bayonne, N. J.
Melsha, Josephine Cecile.....New York City
Rapelye, Emma Louise.....New York City
Richardson, Ethel Scarlett.....New York City

Juniors—Class of 1913..... 156

*Candidates for Teachers College Diploma in Education.

SOPHOMORES—CLASS OF 1914

Candidates for the A.B. Degree

Adams, Louise Elizabeth.....New York City
Adler, Bessie Menone.....New York City
Allen, Marguerite.....New York City
Andrews, Sophie Townsend.....New York City
Badanes, Bertha.....New York City
Baldwin, Mabel.....Bayonne, N. J.
Barber, Marion Jeanette.....New York City
Barrick, Jean Sutton.....Jersey City, N. J.
Bartling, Louise Helene.....New York City
Bateman, Gladys.....New York City
Baum, Minnie.....New York City
Bernays, Hella Felicitas.....New York City
Boegehold, Winifred Dorothy.....Mount Vernon, N. Y.
Bolger, Julia Virginia.....New York City

BRITTAIN, MARGARET ..... Yonkers, N. Y.
BRITTAIN, VIRGINIA IRENE ..... Yonkers, N. Y.
BROOKS, ROSALIE WHITEHEAD ..... Harrison, N. Y.
BUNZL, LUCILLE CAROLINE ..... New York City
BURGEVIN, CAROLINE LOUISE ..... Port Chester, N. Y.
CAMPION, GERTRUDE NEUSE ..... New York City
CARMAN, MARGARET ISABEL ..... New York City
CARROLL, JULIA ELISE ..... New York City
CHERRY, ETHEL NEWTON ..... New York City
CHILD, DOROTHY KENNEDY ..... New York City
CLARK, MILDRED SENIOR ..... Yonkers, N. Y.
CLINCH, MARIE LOUISE ..... Mount Vernon, N. Y.
CLINGEN, ALICE VAN DORN ..... New York City
COHN, CAROLINE ..... Orange, N. J.
CURTICE, EUNICE MALLORY ..... New York City
DALE, JANE ELIZABETH ..... New York City
DALGLEISH, IRENE LOUISE ..... Stamford, Conn.
DAVIS, SARAH CAROLINE ..... Oak Grove, Ala.
DOWNES, HELEN RUPERT ..... Yonkers, N. Y.
DWYER, HELEN ..... New York City
ELMENDORF, KATHARINE ..... New York City
FERGUSON, JEANNETTE ..... New York City
FOX, ETTA BELLE ..... New York City
FRIEDER, EMMA JANE ..... Carbondale, Pa.
FRIEND, ETTA VIOLET ..... New York City
GARDNER, ELEANOR ADELAIDE ..... Nyack, N. Y.
GATES, FRANCES WILLARD ..... New York City
GLESS, MARIETTE LOUISE ..... Newark, N. J.
GOEDE, ETHEL BELLE ..... Burlington, Ia.
GREENWALD, GERTRUDE VICTORIA ..... Mount Vernon, N. Y.
GROF, CHRISTINE ..... Ossining, N. Y.
GUERNSEY, RUTH ESTELLE ..... New York City
HAWES, ESTHER WARE ..... New Rochelle, N. Y.
HEINEMANN, BEATRICE DANZIG ..... New York City
HILBORN, RITA ..... New York City
HOEY, MARION ALICE ..... Fort Edward, N. Y.
JEFFREY, LAURA MACLEAN ..... New York City
KENNY, MARY ELIZABETH ..... New York City
LAWLER, MARY HELEN ..... New York City
LINT, THERESA ..... New York City
LOWNDES, EMILY ..... Mount Vernon, N. Y.
MCCRODDEN, ELLA ..... New York City
MCLAUGHLIN, GRACE ..... New York City
MCVICKAR, HELEN ISABEL ..... Mount Vernon, N. Y.
MACAULEY, ELIZABETH IRENE ..... New York City
MACLEAN, DAISY AGNEW ..... New York City
MANSER, RUTH BALDOCK ..... Summit, N. J.
MARTIN, CLAIRE HAZEL ..... New York City
MASON, MABEL HELEN ..... New York City
MAYER, ELEANOR THERESA ..... New York City
MEYER, LILLIAN MELANIE ..... Monroe, La.
MILLS, FRANCES ALICE ..... Bristol, Conn.
MINER, SIDNEY LOUISE ..... New York City
MOUNT, HELEN EMMA ..... Hoboken, N. J.
MUMFORD, MARY BATTLE ..... Saratoga Springs, N. Y.
NICOLA, LULU ..... Cedar Grove, N. J.

O'Sullivan, Regina ..... New York City
Ord, Alta Ashmead ..... New York City
Palmer, Florence ..... New York City
Peck, Margaret ..... Pomfret Centre, Conn.
Pierpont, Julia Holbert ..... White Plains, N. Y.
Poore, Harriet Winship ..... Georgetown, Mass.
Raff, Gertrude ..... New York City
Randolph, Isabel Fitz ..... New York City
Reid, Margaret ..... Mount Vernon, N. Y.
Reinheimer, Edith ..... New York City
Rhoades, Florence Martha ..... Omaha, Neb.
Roever, Frances Lucille ..... New York City
Ros, Luisa ..... New York City
Roth, Goldye Gladys ..... New York City
Sage, Leontine ..... Orange, N. J.
Schorr, Marguerite Louise ..... New York City
Schubert, Elsa Anna Dorothea Henrietta ..... Three Bridges, N. J.
Schulman, Jeannette ..... New York City
Schwartzman, Fanny ..... New York City
Schwarzwaelder, Florence ..... Ossining, N. Y.
Seldner, Gladys ..... Yonkers, N. Y.
Seligman, Cecile Rose ..... New York City
Shackleton, Clara Everett ..... New York City
Shannon, Angela ..... New York City
Slade, Muriel Gladys ..... New York City
Sondheim, Hattie ..... New York City
Stebbins, Mabel Clara ..... New York City
Stephens, Gertrude Emily ..... New York City
Stern, Alène ..... New York City
Sturges, Sarah Elvina Delano ..... New York City
Talmage, Ruth Whittier ..... Oyster Bay, N. Y.
Thomas, Edith Maddock ..... Savannah, Ga.
Track, Irene Paula ..... New York City
Tully, Marion ..... New York City
Unger, Jeannette ..... New York City
Upham, Fannie Williamson ..... New York City
Van Raalte, Jeannette ..... New York City
Vorhaus, Amy Rose ..... New York City
Walton, Lillian Susie ..... New York City
Waring, Lillian Adele ..... New York City
Wells, Charlotte Adeline ..... Mount Vernon, N. Y.
Wigand, Eleanor Emma ..... New York City
Williams, Edith Gardner ..... New York City
Wise, Rose Marie ..... New York City

Candidates for the B.S. Degree

Beall, Annie Cuyler ..... Yonkers, N. Y.
Bevier. Marguerite ..... New York City
Blumenberg, Clara ..... New York City
Fink, Aline Anna ..... New York City
Mathison, Elizabeth ..... New York City
Maxwell, Celestine Lea ..... New York City
Mulhall, Edith Frances ..... New York City
Owens, Ella Adelaide ..... New York City
Petri, Lucie Anna ..... New York City

CANDIDATES FOR TRANSFER AT THE END OF TWO YEARS TO THE PROFESSIONAL SCHOOLS OF THE UNIVERSITY

KELLY, EDYTHE GRACE ..... New York City
OCHS, IPHIGENE ..... New York City
ROBINSON, LOLA ..... New Rochelle, N. Y.

Sophomores—Class of 1914 126

FRESHMEN—CLASS OF 1915

CANDIDATES FOR THE A.B. DEGREE

ADIKES, ANNA MAY ..... New York City
ADLER, BEULAH FRANCES ..... New York City
ASKAM, LUCY ELIZA ..... Great Neck, N. Y.
ASTRUCK, EDNA FRANCES ..... New York City
AUCHENPAUGH, EDITH AUGUSTA ..... Hyndsville, N. Y.
BAIN, GERTRUDE BEACH ..... New York City
BANKER, GRACE DERBY ..... Passaic, N. J.
BARNET, CONSTANCE ISABEL ..... New York City
BAUHAN, LINNÉA HENRIETTA ..... Jersey City, N. J.
BECKER, ELSA GERTRUDE ..... New York City
BEERS, ESTHER EUNICE ..... New Rochelle, N. Y.
BELKNAP, ALMIRA FREDERICKA ..... New York City
BERGER, EDITH ..... Bayonne, N. J.
BERNHEIM, SARA ANNA ..... New York City
BERNSTEIN, JUDITH SEMYRA ..... Portland, Ore.
BLAKE, MYRA JULIET ..... New York City
BLEET, HELEN MARJORIE ..... New York City
BLOUNT, IDA MAY ..... Atlanta, Ga.
BLUMENTHAL, HELEN B. ..... New York City
BORDEN, MARION ALLEN ..... Grantwood, N. J.
BRADLEY, DOROTHEA CHATHAM ..... New Haven, Conn.
BRETT, ALICE MARIE-LOUISE ..... New York City
BUDD, MARGARET ..... Peekskill, N. Y.
BÜLOW, SOPHIE IDA ..... New York City
BUTLER, SARAH SCHUYLER ..... New York City
CAROTHERS, FLORENCE EDITH ..... New York City
CARR, MARGARET ..... New York City
CAULFIELD, GERTRUDE ..... New York City
COGAN, LUCY GRACE ..... Paterson, N. J.
CONKLIN, AGNES MARIA ..... New York City
CORYELL, NANCY GILLMORE ..... New York City
CRAMER, ETHELYN BLANCHE ..... Portland, Conn.
CRANCH, ALICE RUTH ..... New York City
CUNNIFFE, ELISABETH WALDRON ..... New York City
DAVIS, EDITH REBECCA ..... New York City
DEAN, DOROTHY ..... New York City
DEARDEN, EDWINA MARY ..... New York City
DEYOUNG, ESTELLE ..... New York City
DOODY, MARIE FRANCES ..... New York City
DUNNET, CHRISTINA ..... New York City
EARLE, DOROTHY ..... Hastings-on-Hudson, N. Y.
ENGEL, SADIE ..... New York City
ENGLER, MARGUERITE LOUISE ..... New York City
ERSKINE, RHODA ..... New York City

EVANS, MARY NASH ..... Yonkers, N. Y.
EVANS, RUTH DORIS ..... New York City
FINK, BERTHA ..... White Plains, N. Y.
FISCHER, EDITH LINDEN ..... New York City
FITCH, DOROTHY MORGAN ..... New York City
FLEER, FRIEDA ANNA WILHELMINA ..... Mt. Vernon, N. Y.
FLINT, MARY BUCKELEW ..... Rowayton, Conn.
FOLEY, MARGARET MARY ..... Great Neck, N. Y.
FOX, KATHARINE NEAL ..... New York City
FOX, LOUISE ..... Plainfield, N. J.
FRIEDMAN, HORTENSE ..... New York City
FRIES, CATHARINE CARRIE ..... New York City
FULLER, ANNIE ..... Jersey City, N. J.
GAUKRODGER, EDITH ..... New York City
GILLEAUDEAU, HELEN ..... Mamaroneck, N. Y.
GRAAE, RUTH ..... Perth Amboy, N. J.
GRAY, MARY ..... New York City
GREENBAUM, GRACE RACHEL ..... New York City
GROF, JESSIE ..... Ossining, N. Y.
GROSS, RUTH ..... Mt. Vernon, N. Y.
GROSSMAN, GLADYS ..... New York City
HARDWICK, EDITH GERTRUDE ..... New York City
HARPER, JOAN ..... New York City
HARRER, HARRIET ..... Briarcliff Manor, N. Y.
HEDLEY, PHYLLIS ..... New York City
HENRY, EDNA MARY ..... New York City
HEROD, DOROTHY FRASER ..... New York City
HERZFELD, ALMA JOSEPHINE ..... New York City
HESS, EDNA ..... New York City
HOCHSCHILD, GERTRUDE ..... New York City
HOROWITZ, RUTH NANETTE ..... New York City
HOWELL, FRANCES MARIE ..... Paterson, N. J.
HUBBARD, GRACE LOUISE ..... New York City
HUNLEY, ETHEL VIRGINIA ..... New York City
HUNTINGTON, JOSEPHINE ..... Yonkers, N. Y.
JACKSON, LILLIAN MARGUERITE ..... New York City
JACOBSEN, BEATRICE MATHILDE ..... Perth Amboy, N. J.
JAMISON, ALMA CHARLOTTE ..... New York City
JENKINS, HELEN HARTLEY ..... New York City
JORDAN, ANNA ELIZABETH ..... New York City
JOURNEAY, HELEN ..... Highwood, N. J.
KELLEY, ANNIE ELIZABETH ..... New York City
KELLEY, EMMA CORNELIA ..... Randolph, Mass.
KELLY, LOUISE FRANCES ..... Scranton, Pa.
KEMPTON, IVA TOMPKINS ..... Yonkers, N. Y.
KERBY, CATHARINE EDITH ..... New York City
KIRCHWEY, FREDA ..... New York City
KRIER, DOROTHY AUGUSTA ..... New York City
KRINSKY, HENRIETTA JESSIE POLLAK ..... Yonkers, N. Y.
LACHMANN, HELEN ROSE ..... New York City
LAMBERT, EMILY GORDON ..... Mt. Vernon, N. Y.
LEVI, RAY ELLIOT ..... New York City
LEVINSON, ELSA FREUDENHEIM ..... Yonkers, N. Y.
LEVY, EDITH LILIAN ..... New York City
LICHTENSTEIN, HELENA ..... New York City
LOURIA, ELEANORA GRACE ..... New York City

LULL, SARA ROWLAND ..... Yonkers, N. Y.
MACDONALD, HELEN EDITH ..... New York City
MALLESON, ALICE DARLINGTON ..... New York City
MARKS, RUTH ..... Orange, N. J.
MARLEY, RUTH JACKSON ..... Newark, N. J.
MARTIN, LOIS WHITNEY ..... New York City
MAYER, CLARA ..... New York City
MERTZ, HELEN EDNA ..... Port Chester, N. Y.
MEYER, ETHEL SOPHIE ..... New York City
MEYER, MARGARET NATHAN ..... New York City
MILLAR, MARGARET ELIZABETH ..... Westwood, N. J.
MONROE, MARGARET MONTAGUE ..... New York City
MORGAN, DOROTHY TATTERSALL ..... New York City
MORGAN, MARGARET ..... Upper Montclair, N. J.
MORGENTHAU, LUCY ROSE ..... New York City
MORITZ, CAROLINE CLAUDIA ..... Montgomery, Ala.
MOSES, MILDRED ..... New York City
MOYNAHAN, ROSALIE MARY ..... New York City
MULLER, EMILY KEEN ..... Clifton, N. J.
MURNANE, REGINA CATHERINE ..... New York City
MURPHY, HELEN ANNETTE ..... New York City
NATHAN, ROSALIE GOMEZ ..... New York City
NELSON, SVEA ANNA CHRISTINE ..... Dalton, Mass.
NICHOLS, ELIZABETH WILLIAMS ..... New York City
O'BRIEN, ESTELLE ..... New York City
O'DONNELL FRANCES ANNA ELIZABETH ..... New York City
OERZEN, ELSIE MAY ..... New York City
OPPENHEIMER, LOUISE MARION ..... New York City
ORMSBEE, HAZEL GRANT ..... Matteawan, N. Y.
PADDOCK, ANNA MARGUERITE ..... New York City
PALMER, ELIZABETH ..... New York City
PERLMAN, GRACE HELEN ..... New York City
PIPER, FLORENCE ..... New York City
POLLITZER, MARGARET ..... New York City
PRANKARD, FLORENCE ..... Port Washington, N. Y.
PULLEYN, VIRGINIA ..... New York City
RANDOLPH, MILDRED FITZ ..... Newark, N. J.
REIGART, KATHARINE MIFFLIN ..... Yonkers, N. Y.
REINHEIMER, CORINNE ..... New York City
RICH, ELEANOR MARIA ..... Mt. Vernon, N. Y.
ROBINSON, ANNA KATHLEEN ..... Sea Cliff, N. Y.
ROGERS, HAZEL MAY ..... New York City
ROOME, SARENA VALENTINE ..... Freehold, N. J.
ROSENTHAL, JULIETTE CLARA ..... New York City
ROSS, MARY GOLDSBOROUGH ..... Essex, N. Y.
SAYRE, EMMA BERTHOLF ..... Warwick, N. Y.
SCHECHTER, AMY ESTHER ..... New York City
SCHMIDT, ELISABETH MARY NOTBURGER AGNES ..... West Hoboken, N. J.
SCOVIL, ELIZABETH ADELINE ..... New York City
SENNER, CORA ..... New York City
SEXTON, CAROLINE GRAHAM ..... New York City
SHAW, BESSIE ..... New York City
SHERLINE, ANNA ESTHER ..... New York City
SKINKER, DOROTHY ANNE ..... White Post, Va.
SOSKIN, LILLIAN ..... New York City
STANBROUGH, DOROTHY ..... New York City

Stern, Edna Louise	New York City
Stiles, Edith	New York City
Stirn, Edith Eva	New York City
Stokes, Viola Matilda	Freehold, N. J.
Terriberry, Margaret	New York City
Tieleke, Gertrude Emma Helen	New York City
Totten, Isabel	New York City
Toussaint, Edna Ruth	New York City
Treadwell, Bertha Holt	New York City
Van Doren, Léonie Gertrude	Mt. Vernon, N. Y.
Van Dusen, Ivy Clare	New York City
Walker, Emmelina de Thierry	New York City
Walker, Louise	New York City
Walker, Lydia Ellene	New York City
Waller, Alice Page Nelson	Stafford, Va.
Wasserman, Estelle	New York City
Watson, Martha	Nyack, N. Y.
Weingreen, Gladys Estelle	New York City
Weldon, Beulah	New Rochelle, N. Y.
Wilber, Ruby Bird	Sound Beach, Conn.
Williams, Katharine	New York City
Wood, Natalie Francisca	Englewood, N. J.
Wright, Jessie Agneta	New York City
Wyckoff, Martha	Glen Ridge, N. J.
Zagat, Helen	New York City

Candidates for the B.S. Degree

Allison, Caroline	New York City
Ansorge, Fannie Rich	New York City
Decker, Ruth K	Stony Point, N. Y.
Froelich, Clara Lillian	New York City
Gaither, Jessie	New York City
Goldstone, Edith Helen	New York City
Greenburg, Isabel	New York City
Grimes, Frances Wellington	New York City
Hotson, Vera Dorothy	Pelham, N. Y.
Jacobson, Fanny Rose	Shreveport, La.
James, Mae	New York City
Krause, Estelle	New York City
Möhle, Jean Earl	New York City
Rabinowitz, Chissay	New York City
Silliman, Frances	New York City
Teden, Rose Marie	New York City
Tobin, Elise	New York City

Candidates for Transfer at the End of Two Years to the Professional Schools of the University

Hadsell, Eleanor Gertrude	New York City
Lincoln, Louise	East Cleveland, Ohio
Markwell, Fannie Pereless	New York City
Meyer, Irma Dorothy	New York City
Peterson, Hattie Bernera	New Rochelle, N. Y.
Reynolds, Helen Douglas	New Rochelle, N. Y.
Seigel, Florence	Tupper Lake, N. Y.

Freshmen—Class of 1915 205

SPECIAL STUDENTS, MATRICULATED

Cahn, Pauline	New York City
Cohn, Ruth Price (Mrs. A. E. Cohn)	New York City
Everett, Amy King	Washington, D. C.
Guggenheim, Grace Bernheimer (Mrs. R. M. Guggenheim)	New York City
Harris, Florence	Montclair, N. J.
Hearn, Gertrude Leah	New York City
Holder, Julia	New York City
Jacoby, Dorothy	New York City
Kalt, Marguerite Jeannette	New York City
King, Virginia Kent	New Rochelle, N. Y.
Morgan, Edith Percy	New York City
Rice, Irma Bertha	Montgomery, Ala.
Roberts, Eva Marie	New York City
Robinson, Ellen Hortense	New York City
Stein, Lillie Emily	New York City
Warren, Belle Reed	Pleasantville, N. Y.
Weiner, Mildred Felicia	New York City
White, Martha Root	New York City
Wood, Hilda	New York City

Matriculated Special Students 19

SPECIAL STUDENTS, NON-MATRICULATED

Baker, Stella Maud (Mrs. E. D. Baker)	New York City
Brooks, Gwendolen	New York City
Cameron, Evelyn	Newark, N. J.
Cantor, Marguerite Helene	New Rochelle, N. Y.
Clark, Mary Frances	Plainfield, N. J.
Damrosch, Alice Blaine	New York City
Du Bois, Mildred	New York City
Eckert, Jeannette	Newark, N. J.
Ellinger, Grace Jane	New York City
Emerson, Margaret Genevieve	New York City
Feuchtwanger, Louise A.	New York City
Fugette, Gladys	New York City
Gilder, Rosamond de Kay	New York City
Gordon-Smith, Gladys	Montclair, N. J.
Gostenhofer, Adelaide Carolina	New York City
Hinkle, Stella May	Little Falls, Minn.
Irving, Ethel Herendeen	Westfield, N. J.
Morgan, Camilla Leonard	New York City
Newcombe, Mary Hilton (Mrs. Isaac B. Newcombe)	New York City
Nichols, Marjorie	Mt. Vernon, N. Y.
Osborn, Aileen	New York City
Pake, Rita Edith	Mobile, Ala.
Peck, Gertrude Boyce	Fond du Lac, Wis.
Raphael, Alice Pearl	New York City
Sachs, Ella	New York City
Schafer, Fanny May (Mrs. Myron Shafer)	New York City
Sidenberg, Claire Lucille	New York City
Silverman, Louise Block	New York City
Staats, Marion	Great Barrington, Mass.
Stein, Mabel Bonner (Mrs. Alexis W. Stein)	New York City

STUDER, ETHEL MAE.....Ellsworth, Me.
TUTHILL, ISABEL HAWKINS.....Rocky Point, N. Y.
WILSON, FLORENCE.....New York City
YOUNG, MARION COULTHARD.....New York City

Non-matriculated Special Students.....34

SUMMARY

Seniors—Class of 1912:		
Candidates for the Barnard College A.B. degree alone	70	
Candidates for Barnard College A.B. degree and Teachers College diploma in education	6	
Candidates for the Barnard College B.S. degree alone	2	
		78
Juniors—Class of 1913:		
Candidates for the A.B. degree	150	
Candidates for Barnard College A.B. degree and Teachers College diploma in education	2	
Candidates for the B.S. degree	4	
		156
Sophomores—Class of 1914:		
Candidates for the A.B. degree	114	
Candidates for the B.S. degree	9	
Students in General Two-Year Course	3	
		126
Freshmen—Class of 1915:		
Candidates for the A.B. degree	181	
Candidates for the B.S. degree	17	
Students in General Two-Year Course	7	
		205
		565
Special Students:		
Matriculated	19	
Non-matriculated	34	
		53
University Students	45	
Teachers College Students	135	
		180
Grand Total		798

TEACHERS COLLEGE

TRUSTEES

V. Everit Macy, *Chairman*
Frank R. Chambers, *Vice-Chairman*
Newbold Morris, *Secretary*
Clark Williams, *Treasurer*
Arthur Turnbull, *Assistant Treasurer*

Miss Grace H. Dodge	Nicholas Murray Butler
Peter B. Olney	Robert C. Ogden, LL.D.
B. Talbot B. Hyde	Walter H. Page, LL.D.
Joseph Milbank	Mrs. Helen Hartley Jenkins
Seth Low, LL.D.	Arthur Iselin
James Speyer	Jordan J. Rollins
James E. Russell, LL.D.	Horace E. Andrews
Mrs. Frederick F. Thompson	Felix M. Warburg

William B. Osgood Field

The Faculty

The President of the University
Dean Russell

Professors Bagster-Collins, Baker, Bement, Bigelow, Bonser, Cattell, Coe, Cohn, Cooley, Cornell, [2] Dewey, Dodge, [1] Dow, Dutton, Fales, Farnsworth, Farrington, Fulmer, Gies, Goodsell, Hill, Hillegas, Johnson, Kilpatrick, Kinne, Latham, Lodge, Lucke, McCastline, McFarlane, [2] McMurry, MacVannel, Meylan, Monroe, Norsworthy, Noyes, Nutting, [1] Pearson, Prettyman, Rose, Ruger, Sachs, Sherman (H. C.), Smith (D. E.), Strayer, Suzzallo, Sykes, Thorndike (E. L.), Upton, Van Arsdale, [1] Vulté, Warner, Wood, Woodbridge, Woodhull, Woolman.

Officers of the Faculty

Professor Russell.....*Dean and ex-officio Member of the University Council*
Professor Upton .....*Secretary*
Professor E. L. Thorndike (Term expires 1914)....*Elected Delegate to the University Council*
Professor Lodge (Term expires 1913).....*Elected Delegate to the University Council*

[1] Absent on leave first half-year. [2] Absent on leave second half-year.

Other Officers of Instruction

BENJAMIN R. ANDREWS, Ph.D., *Secretary, Household and Industrial Arts;* MARY K. SIMKHOVITCH, A.B., *Associate in Social Economy;* CHARLES CONRAD SLEFFEL, *Instructor in Industrial Arts;* CHARLES WILLIAM WEICK, B.S., *Instructor in Industrial Arts;* MAUD MARCH, *Instructor in Physical Education;* CLARA BARBARA KIRCHWEY, *Instructor in Geography;* JEAN BROADHURST, A.M., *Instructor in Biology;* ANNA BARROWS, *Instructor in Household Arts;* SALLIE B. TANNAHILL, *Instructor in Fine Arts;* MARGARET MAUD ZERBE, *Instructor in Music;* EDWARD J. THATCHER, *Instructor in Industrial Art;* ROMIETT STEVENS, A.M., *Instructor in Secondary Education;* HELEN LATHAM, *Instructor in Music;* CHARLOTTE A. FRANCIS, *Instructor in Physical Science;* LYDIA SOUTHARD, B.S., *Instructor in Household Arts;* ANNA WOODS BALLARD, A.B., *Instructor in French;* MARY THEODORA WHITLEY, A.M., *Instructor in Educational Psychology;* LOUISE CHRISTINE SUTHERLAND, *Instructor in Kindergarten;* JULIA WADE ABBOTT, *Instructor in Kindergarten;* MARY BULL HANCKEL, *Instructor in Fine Arts;* CAROLINE STACKPOLE, M.A., *Instructor in Biology;* CORA M. WINCHELL, B.S., *Instructor in Household Arts;* FLORENCE E. WINCHELL, B.S., *Instructor in Household Arts;* EMILY C. SEAMAN, M.A., *Instructor in Household Arts;* EDNA SKINNER, B.S., *Instructor in Household Arts;* EVELYN C. TOBEY, B.S., *Instructor in Household Arts;* LYDIA RAY BALDERSTON, B.S., *Instructor in Household Arts;* MARY H. PEACOCK, Ph.B., *Instructor in Household Arts;* FLORENCE R. CORBETT, M.S., *Instructor in Household Arts;* GRACE L. HITCHINGS, B.S., *Instructor in Household Arts;* SADIE B. VANDERBILT, B.S., *Instructor in Household Arts;* MRS. MALINDA I. MANCHESTER, B.S., *Instructor in Household Arts;* LUCILE G. FRENCH, *Instructor in Household Arts;* ISABEL M. STEWART, B.S., *Instructor in Household Arts;* ELLA P. CRANDALL, *Instructor in Household Arts;* RUTH P. SILL, *Instructor in Household Arts;* CHARLES MARTIN, *Instructor in Fine Arts;* MARY MCCORMICK, A.M., *Instructor in Household Arts;* BERTHA SHAPLEIGH, *Instructor in Household Arts;* HELEN DONOVAN, B.S., *Instructor in Household Arts;* MARY REESOR, B.S., *Instructor in Physical Education;* ANNIE E. MOORE, B.S., *Instructor in Kindergarten Education;* JULIA P. MITCHELL, A.M., *Instructor in English;* ETHELWYN C. BRADISH, *Instructor in Fine Arts;* WILLIAM E. BRECKENBRIDGE, M.A., *Instructor in Mathematics;* JESSE F. WILLIAMS, B.A., *Instructor in Physical Education;* ANNA C. THORNTON, *Instructor in Physical Education;* MARY PORTER BEEGLE, B.S., *Instructor in Physical Education;* LOIS COFFEY, B.S., *Instructor in Industrial Arts;* LEON VOLKMAR, *Instructor in Industrial Arts;* LILLIAN DREW, *Instructor in Physical Education;* GEORGE T. HOLM, *Instructor in Physical Education;* MARY F. MORRIS, B.S., *Instructor in Physical Science;* JEANNETTE ROWLAND SEIBERT, A.M., *Recorder, Department of Physical Education;* CECIL F. LAVELL, *Lecturer in History of Education;* GRACE MARIE DASCHBACH, *Lecturer in Music;* MARY LOUISE FURST, *Lecturer in Household Arts;* ANNIE M. GOOD-

RICH, *Lecturer in Household Arts;* S. JOSEPHINE BAKER, M.D., *Lecturer in Household Arts;* CALVIN B. CODY, *Lecturer in Music;* KATHERINE MACDONALD, *Lecturer in Music;* WALTER H. HALL, *Lecturer in Music;* R. NORMAN JOLIFFE, *Lecturer in Music;* FELIX LAMOND, *Lecturer in Music;* EDGAR S. STOWELL, *Lecturer in Music;* TEUNIS VANDER BENT, *Lecturer in Household Arts;* LILLIAN D. WALD, *Lecturer in Household Arts;* CLARA D. NOYES, *Lecturer in Household Arts;* C. E. A. WINSLOW, *Lecturer in Household Arts;* MARY WROE CURTIS, *Assistant in Household Arts;* THEODORA E. WYE, B.S., *Assistant in Latin and Greek;* MARY REESOR, B.S., *Assistant in Physical Education;* JOHN JAY WALSH, *Assistant in Industrial Arts;* LAURA BALDT, B.S., *Assistant in Household Arts;* ELLEN A. B. MCGOWAN, B.S., *Assistant in Household Arts;* ROBERT GRAY, *Assistant in Household Arts;* AMY LOGAN, *Assistant in Household Arts;* MATILDA MCKEOWN, B.S., *Assistant in Household Arts;* JOHN ROSS, *Assistant in Industrial Arts;* AUGUSTA BRONNER, A.M., *Assistant in Educational Psychology;* ROSE F. EGAN, *Assistant in English;* MATTHEW G. BACH, A.M., *Assistant in German;* MARCEL H. VIGNERON, *Assistant in French;* LOIS PLIMPTON, *Assistant in Household Arts;* E. G. MILLER, *Assistant in Household Arts;* EMMA H. GUNTHER, *Assistant in Household Arts;* LILLIAN M. B. GUNN, *Assistant in Household Arts;* CORNELIA H. STONE, A.B., *Assistant in Household Arts.*

Officers of Administration

(See page 5)

TEACHERS COLLEGE SCHOOLS

Officers of Administration

Professor RUSSELL, *Dean*
" DUTTON, *Superintendent*

Horace Mann School

VIRGIL PRETTYMAN, Pd.D., *Principal of High School;* HENRY CARR PEARSON, A.B., *Principal of Elementary School;* CHARLOTTE GANO GARRISON, *Principal of Kindergarten;* MARION ROOT PRATT, *Executive Secretary;* MARION THORNTON BEALS, *Secretary to Superintendent;* ELIZABETH IVERSON TOMS, *Secretary to Principal of High School;* CORA GEER TOTTEN, *Secretary to Principal of Elementary School;* ETHEL ELLEN ROCKWELL, *Custodian of Library.*

Instructors and Assistants in Horace Mann Schools

[1]ALLAN ABBOTT, *English;* KATE STUART ANTHONY, *Domestic Art;* WALTER WHIPPLE ARNOLD, *Latin;* OTTO A. BAILEY, *Mathematics;* CHARLES MCCOY BAKER, *Latin;* HELEN BARTLETT BAKER, *English;* ANNA WOODS BALLARD, *French;* ELIZABETH BRIGGS, *History;* FRANK ELBERT BROOKS,

[1] Absent on leave.

English; MARIE KARCHER BROOKS, *French;* JOSEPH CLIFTON BROWN, *Mathematics;* GLENN V. BROWN, *Chemistry and Physics;* MARY EDWARDS CALHOUN, *English;* HUGH H. CALDWELL, *English;* LAURA B. CRANDON, *German;* JOSEPH A. DAVIS, *Latin and Greek;* MARIA LOUISE DOWD, *Physical Training;* JOHN B. EYSTER, *German;* CHARLOTTE JOY FARNSWORTH, *Practical Arts;* ARTHUR TAPLEY FRENCH, *Mathematics;* MARY BROWNSON GILLMORE, *History;* WILLIAM HELMUTH GOHDES, *German;* GEORGE THOMAS HOLM, *Swimming;* P. JOSEPH KERSEY, *Physical Training;* ERNST A. KIORBOE, *French;* CLARA BARBARA KIRCHWEY, *Geography;* ROBERT JOSSELYN LEONARD, *Industrial Arts;* AMY LOGAN, *Domestic Science;* EMMA LENORE MACALARNEY, *English;* HARRY WHEELER MARTIN, *History;* RAYMOND MODESITT, *Mathematics;* MARY F. MORRIS, *Chemistry and Physics;* WILLIAM J. NAGLE, *Latin and Greek;* JOHN DUELE NEITZ, *Special Teacher for Delinquent Pupils;* LILLA ANNE NOURSE, *Drawing;* CHARLES CONRAD SLEFFEL, *Forging;* FLORENCE STUART, *Physical Training;* THOMAS F. TAYLOR, *Substitute;* JOHN VAN SANT, *Mathematics;* FLORENCE LOUISE WEEKS, *Mathematics;* CHARLES WILLIAM WEICK, *Wood-Working;* ELIZABETH MARIAN WHEELOCK, *Latin;* ROLAND HUGH WILLIAMS, *Chemistry and Physics;* GREY H. WYMAN, *Latin and Greek.*

Horace Mann Elementary School

CLARA MABEL WHEELER, *First Grade;* FLORENCE MABEL MCVEY, *First Grade;* MILDRED IONE BATCHELDER, *Second Grade;* EVELYN BATCHELDER, *Second Grade;* ELIZABETH CLEASBY, *Primary Grades;* MARY HAMMETT LEWIS, *Open Air Class;* ALICE ELIZABETH PHELPS, *Third Grade;* THEO. R. STONE, *Third Grade;* IDA ELIZABETH ROBBINS, *Fourth Grade;* FLORENCE MAY MARSHALL, *Fourth Grade;* MAUD VIVIAN KEYES, *Fifth Grade;* MARGARET CONDRY, *Fifth Grade;* LURA PARKER FITCH, *Fifth Grade;* MARY FREDERIKA KIRCHWEY, *Sixth Grade;* MARY GERTRUDE PEABODY, *Sixth Grade;* SIEGRIED HANSEN UPTON, *Sixth Grade;* CAROLINE WOODBRIDGE HOTCHKISS, *Seventh Grade;* LILLIAN EMILY ROGERS, *Seventh Grade;* GEORGIA FARRAND BACON, *Seventh Grade;* LUCIA W. DEMENT, *Drawing;* HELEN LATHAM, *Music;* LUCY HESS WEISER, *Manual Training;* MARY PERLE ANDERSON, *Nature Study;* FLORENCE MARY HEALY, *Physical Training;* FLORA MAY GREENOUGH, *Grammar Assistant;* ELIZABETH LEE TUCKER, *Primary Assistant.*

Horace Mann Kindergarten

LOUISE CHRISTINE SUTHERLAND, *Teacher;* GRACE LILLIAN BROWN, *Assistant;* ETHEL M. ROBINSON, *Assistant.*

Speyer School

AMY SCHÜSSLER, *Principal;* BERTHA BENTLEY, *First Grade, Critic Teacher;* IZA EDITH ANDRIX, *Second Grade;* IDA BENNETT, *Third Grade;*

BERTHA GATH, *Fourth Grade;* HELEN B. GOVER, *Fifth Grade, Critic Teacher;* BLANCHE EDNA CAMPBELL, *Sixth Grade;* MAY MCCLANE, *Seventh Grade;* FLORENCE V. WATKINS, *Eighth Grade, Critic Teacher;* JULIA WADE ABBOT, *Kindergarten Critic;* BESSIE GORDON SMITH, *Assistant in Kindergarten;* LAURA VALENTINE, *Social Worker and Assistant Librarian;* ISABEL STEPHENS, *Physical Education;* HELEN LATHAM, *Music;* ROBERT JOSSELYN LEONARD, *Industrial Arts;* ETHELWYN COVENTRY BRADISH, *Art Critic Teacher;* CORA MARGUERITE WINCHELL, *Domestic Science, Critic Teacher;* FLORENCE ELLA WINCHELL, *Domestic Arts, Critic Teacher.*

GENERAL STATEMENT

Teachers College, founded in 1888, and chartered by the Regents of the University of the State of New York in 1889, became, in 1898, a part of the educational system of Columbia University. The President of Columbia University is President, *ex-officio*, of Teachers College and the College is represented in the University Council by its Dean and representatives elected from its Faculty. The College meanwhile maintains its separate corporate organization, and its Board of Trustees continues to assume entire financial responsibility for its maintenance.

Teachers College is thus the school of Columbia University for the study of education and the training of teachers, taking academic rank with the Schools of Law, Medicine, and Mines, Engineering, and Chemistry. It affords opportunity for the advanced study of educational psychology and sociology, the history and philosophy of education, educational administration, and the various aspects of secondary, technical, elementary, and kindergarten education. It also provides professional training, both theoretical and practical, for teachers of both sexes for secondary, grammar, and primary schools, and kindergartens; for special teachers of such technical subjects as household arts, industrial arts, fine arts, music, and physical education; and the preparation of advanced students for work as principals, supervisors, and superintendents of schools; as heads of academic or educational departments in normal and teachers' training schools, and of educational departments in colleges and universities.

The following curricula are offered by the College:

1. A two-years' professional curriculum, leading to the degree of Bachelor of Science in Education and the Bachelor's Diploma in teaching, requiring for entrance the previous completion, at Columbia University or elsewhere, of two years of academic or technical training in advance of the usual requirements for college entrance. The work of the curriculum presents certain fundamental courses in educational psychology and the history and principles of education, a major subject of professional and academic work, in any department of the College, and a proportion of elective courses chosen at will.

2. Graduate curricula for advanced students leading to the Master's

and Doctor's diplomas in teaching and to the degrees of Master of Arts and Doctor of Philosophy with a major subject in education. Such curricula provide work in educational psychology, the history and the philosophy of education, educational administration, secondary education, elementary education, and in research in the methods of teaching the various academic and technical subjects, supplemented by courses in other parts of the University. Courses in education may also be counted as minor subjects toward the advanced degrees, by students primarily registered in some other part of the University.

The professional curriculum is so arranged that undergraduate students of Columbia College and of Barnard College, and students who are prepared to enter the junior class of either of these colleges, may, if they desire, obtain the diploma of Teachers College at the time of receiving their degree of Bachelor of Arts.

Teachers who wish to supplement previous professional training are entered into these curricula with advanced standing, or into courses grouped especially for their needs.

The Horace Mann School and the Speyer School, maintained by Teachers College as schools of observation and experiment, include kindergarten, elementary, and secondary classes and neighborhood work, and offer exceptional advantages for the study of the practical work of teaching and for the investigation of educational problems. These schools have now an attendance of some thirteen hundred pupils.

Buildings and Equipment

The buildings of Teachers College, representing an investment of more than three million dollars, occupy the block directly north of the University Campus, bounded by 120th and 121st streets, Amsterdan Avenue, and Broadway.

The Main Building, containing equipment for administration and instruction, the Bryson Library—the educational library of the University,—and the Educational Museum, is adjoined by the Milbank Memorial Building, housing a number of academic and technical departments and containing the Memorial Chapel; by the Macy Manual Arts Building, with its exceptional equipment for work in Fine Arts and Industrial Arts; and by the new Household Arts Building. The Frederick Ferris Thompson Memorial Building for the department of Physical Education connects the Milbank Building on the west with the building of the Horace Mann School. On the east of it is Whittier Hall, the residence for the women students of the College. The building of the Speyer School is a short distance north of the College, on Lawrence Street, near Amsterdam Avenue.

Scholarships, Prizes, and Honors

(See page 443)

REGISTER OF STUDENTS, 1911-12

Teachers College

Graduate Students

Candidates for the Doctor's Degree and Diploma

The following students are also registered under the Faculty of Philosophy and are pursuing a major course in Education in Teachers College. Minor courses not in Education are given in italics below

ACKEN, EVA ADELINE, B.S. 1906, A.M. 1907, *English* ..... Brooklyn, N. Y.
ADAMS, MATTHEW PRIOR, B.S. Harvard 1904 ..... Old Orchard, Me.
ALEXANDER, THOMAS, A.B. 1909 ..... Kirksville, Mo.
BRIGGS, THOMAS HENRY, A.B. Wake Forest 1896, *English* ..... Raleigh, N. C.
BRIM, ORVILLE GILBERT, A.M. 1911, B.S. Valparaiso 1907, *Philosophy* .. Latchie, Ohio
BURNHAM, REUBEN WESLEY, A.B. Amherst 1895, *Physics* ..... Brooklyn, N. Y.
CALVIN, MARGARET JEAN, Ph.B. Chicago 1900, *English* ..... Transfer, Pa.
CARSE, ELIZABETH, A.M. 1911, A.B. N. Y. N. C. 1893, *English* ..... New York City
CHEN, TSAI HSIN, A.B. Peking 1901, A.M. 1909, *Mathematics* ..... Peking, China
CHIEN, HU TING, A.M. 1911, A.B. Harvard 1910, *History Public Law* ..... China
CHILDS, HUBERT GUY, B.S. Minnesota 1897, A.M. Leland Stanford, Jr. 1911, *Psychology* ..... Mankato, Minn.
CLARK, HOWARD ERNEST, A.B. Toronto 1909, A.M. 1911, *Philosophy* ..... W. Toronto, Canada
COOK, EDMUND CURLEY, A.B. Dartmouth 1892, A.M. 1899, A.B. Harvard 1894, *Mathematics* ..... New York City
CUTHBERT, HERMAN GIRVIN, A.B. Pennsylvania 1902, B.D. Rochester Theological 1906, A.M. Chicago 1911, *Psychology* ..... Philadelphia, Pa.
DOTEY, AARON I., A.B. De Pauw 1890, A.M. 1893 ..... New York City
DUSHKIN, ALEXANDER M., A.B. C. C. N. Y. 1911, *Sociology, History* ..... New York City
EVERSON, GEORGE, A.B. Oberlin 1908, *Sociology* ..... Wellington, Ohio
FAY, HARRISON GILBERT, A.B. Harvard 1893, A.M. 1909, *History, Economics* ..... New York City
FICHANDLER, ALEXANDER, A.B. N. Y. U. 1905 ..... New York City
GILTNER, EMMETT E., A.M. 1907, A.B. Indiana 1904, *Social Economy* ... New York City
GRAVES, FRANK PIERREPONT, A.B. 1890, A.M. 1891, Ph.D. 1892, Litt.D. Heidelberg (Ohio) 1897, LL.D. Hanover 1897, *Psychology* ..... Columbus, Ohio
HAEFELIN, FANNY JOSEPHINE, B.S. 1905, A.M. 1908, *Romance Languages* ..... Mt. Vernon, N. Y.
HAHN, HENRY H., A.B. Northwestern 1890, A.M. Nebraska 1911, *Psychology, Sociology* ..... Wayne, Neb.
HANCE, WILLIAM, A.B. Yale 1902, *Mathematics* ..... New York City
HANCOCK, WILLIAM JEROME, B.S. Maine 1888, M.S. 1892 ..... Hollis Court, N. Y.
HARTSHORNE, HUGH, A.B. Amherst 1907, A.M. Yale 1910, B.D. Yale Divinity 1911 ..... Methuen, Mass.
HECK, WILLIAM HARRY, A.B. Wake Forest 1897, A.M. 1899 ..... University, Va.
HEDGES, ANNA CHARLOTTE, B.S. 1905, A.M. 1906, *Economics* ..... Brooklyn, N. Y.

HEGLAND, MARTIN, A.B. St. Olaf 1904, A.M. Minnesota 1908, *Sociology*. New York City
HENDERSON, JOSEPH LINDSAY, A.M. 1906, A.B. West Virginia 1894,
Psychology ..... Austin, Texas
HOPKINS, PRINCE CHARLES, A.M. 1910, Ph.B. Yale 1906,
Psychology ..... Santa Barbara, Calif.
HOWE, LYMAN, A.M. 1911, A.B. Leland Stanford, Jr. 1906 ..... East Orange, N. J.
HUTCHINSON, J. HOWARD, A.M. 1909, A.B. Colgate 1905, *Social Economy* ..... Pocantico Hills, N. Y.
IRELAND, ELIZUR WARD, B.S. 1908, *Social Economy* ..... Unadilla, N. Y.
JAQUA, ERNEST JAMES, A.M. 1910, Ph.B. Grinnell 1907 ..... Tokio, N. D.
KEMP, WILLIAM WEBB, A.B. Leland Stanford, Jr., 1898 ..... Palo Alto, Calif.
KIRBY, THOMAS JOSEPH, A.B. Indiana 1902, *Psychology* ..... Indianapolis, Ind.
KLEINMAN, PHILIP, A.B. C. C. N. Y. 1911, *Sociology, History* ..... New York City
KNIGHT, EDGAR WALLACE, A.B. Trinity (N. C.) 1909, A.M. 1911,
Psychology ..... Durham, N. C.
KUHN, ADELINA, A.M. 1908, A.B. Vassar 1904, *Sociology* ..... New York City
KUO, PINGWEN, B.S. Wooster 1911, *Psychology* ..... Shanghai, China
LABARCA-HUBERTSON, GUILLERMO, A.B. Instituto Nacional, Santiago,
1904, A.M. Instituto Pedagojico, 1909, *History* ..... Santiago, Chile, S. A.
LEWIS, ERVIN EUGENE, A.B. Leland Stanford, Jr. 1907, A.M. 1909,
Psychology ..... Watertown, N. Y.
LOCKE, LESLIE LELAND, A.B. Grove City 1896, A.M. 1900, *Mathematics* Brooklyn, N. Y,
MCCONAUGHY, JAMES L., A.B. Yale 1909, A.M. Bowdoin 1911,
English ..... Brunswick, Me.
MCCONNEL, DAVID ROSE, A.M. Edinburgh 1878, *Psychology* ..... Palo Alto, Calif,
MCINTOSH, CHRISTOPHER FERGUSON, A.B. Toronto 1907, A.M. 1908,
Philosophy, Church History ..... Hanlon, Ont., Can.
MCLANE, FANNIE MOULTON, A.B. 1907, A.M. 1908, *Psychology, English*. New York City
MARGOSHES, SAMUEL, A.M. 1910, *Sociology* ..... Brooklyn, N. Y.
MEAD, CYRUS DEWITT, Ph.B. De Pauw 1898, *Psychology* ..... Spencer, Ind.
MERRIAM, BERT EMERY, A.B. Oberlin 1894, Pd. M. N. Y. U. 1911,
Economics ..... Elmore, Vt.
MEYER, HENRY HERMANN, A.B. German Wallace 1901, A.M. 1903, B.D.
Drew Theological Seminary 1903, *Psychology* ..... New York City
MILLER, ELEANORA TIBBETS, A.B. Nebraska 1900, A.M. Chicago 1902,
Mathematics ..... Lincoln, Neb.
MILLER, JAMES COLLINS, A.M. 1910, B.S. Throop Polytechnic 1907,
Psychology ..... Calgary, Alberta, Can.
MYERS, ALEXANDER JOHN WILLIAM, A.B. Dalhousie 1903, A.M. 1904, B.D.
Presbyterian 1907, *Church History* .... Lake View, Prince Edward Island, Can.
NAGOURNEY, ISAAC, A.B. C. C. N. Y. 1906 ..... New York City
OSTERHUS, PETER OLAI, A.M. 1911, A.B. Augsburg 1903, B.Pd. Valparaiso 1905, B.S. 1906 ..... Ossian, Ia.
PANDYA, THAKORLAL RANCHHODLAL, A.M. 1910, B.S. Baroda, India,
1905, *Sociology* ..... Baroda, India
PINKHAM, GEORGE RIPLEY, A.B. Brown 1887, A.M. 1890, *Public Law* ..... Newark, N. J.
RAPEER, LOUIS WILLIAM, A.B. Chicago 1904, A.M. Minnesota 1907,
Economics, Sociology ..... New York City
ROBBINS, CHARLES LEONIDAS, A.B. Kansas 1902, A.M. 1903, *History* ... Russell, Kan.
ROBINSON, LEWIS ARCHIBALD, A.B. Illinois 1898, A.M. 1901, Pd.D.
N. Y. U. 1911, *Biological Chemistry* ..... White Post, Va.
RUSK, ELIZABETH, A.B. 1907, A.M. 1908, *Psychology* ..... St. Joseph, Mo.
SEYBOLT, ROBERT FRANCIS, Ph.B. Brown 1910, A.M. 1911,
History ..... Port Richmond, N. Y.
SILBERSTEIN, NATHAN, A.B. 1905, A.M. 1906, *Mathematics* ..... New York City
SMITH, EDWARD EHRLICH, A.B. Randolph-Macon, *Sociology* ..... Norfolk, Va.

STONE, LULU MABEL, Ph.B. Cornell 1895.....Brooklyn, N. Y.
SWANSON, OSCAR EMMANUEL, B.S. Valparaiso 1901, B.S Northwestern 1911, *Economics*.....Potomac, Ill.
TAFT, LEANORA ELLEN, A.B. Maine 1910, *Psychology*.....New York City
TARNEY, JOSEPH BYRON, A.M. 1911, A.B. Indiana 1902, *Philosophy of Religion, History*.....Auburn, Ind.
TATEM, BENJAMIN THOMAS, A.B. Randolph-Macon 1910, A.M. Harvard 1911.....Norfolk, Va.
THORPE, EDWARD OLE, A.M. 1911, A.B. Williams 1903.....Concord, Mass.
WELCH, ALBERTA MAUD, A.M. 1908, A.B. Wellesley 1895, *Mathematics*.....New York City
WHEAT, FRANK MERRILL, A.M. 1909, B.S. Kentucky 1908, *Botany*.....Brooklyn, N. Y.

Candidates for Master's Degree and Diploma

The following students are also registered under the Faculty of Philosophy and are pursuing a major course in Education in Teachers College. The minor courses not in Education are given in italics below.

ALLEN, ANDREW JACKSON, *Physics*.....East Orange, N. J.
ALLEN, RUSSELL H., A.B. De Pauw 1906.....Brooklyn, N. Y.
ARNOLD, KATHERINE SABIN, A.B. Mt. Holyoke 1906, *Mathematics*.....Portland, Ore.
ASHCROFT, CARRIE VAN RENSSELAER, B.S. 1906, *History*.....New York City
ATTNER, BERNICE MADELEINE, A.B. Radcliffe 1910, *History*.....Cambridge, Mass.
ATWELL, ROBERT KING, A.B. Bowdoin 1909, *Psychology*.....New York City
BARR, LOIS ELTA, B.S. 1909, *English*.....Holdrege, Neb.
BARRANCO, MANUEL, B.S. 1911, *Sociology*.....Mexico City
BARTLETT, GLENN, B.S. 1911, *English*.....Wauseon, Ohio
BEEMAN, RAY, A.B. Indiana 1907.....Woodside, N. Y.
BEHR, ELSA, B.S. 1902.....Brooklyn, N. Y.
BENNETT, AGNES LEONARD, A.B. 1900.....Hackensack, N. J.
BENNETT, GEORGE LIONEL, A.B. Colgate 1900.....Hackensack, N. J.
BLEND, ARVA ERASTUS, B.S. 1907.....Glen Ridge, N. J.
BOWMAN, LEON CROSS, A.B. Colgate 1909.....Hempstead, N. Y.
BOYD, IDA ESTELLE, B.S. 1911.....Brooklyn, N. Y.
BROWN, HERBERT AUSTIN, A.B. Valparaiso 1908, *Psychology*.....Huntington, Ind.
BURKHARD, SAMUEL, A.B. Goshen 1911, *Church History*.....Roseland, Neb.
CARRIS, LEWIS HERBERT, B.L. Hobart 1898.....Newark, N. J.
CHASE, LAWRENCE SEWARD, B.S. Colgate 1909.....Montclair, N. J.
CHATFIELD, GEORGE HERBERT, B.S. 1911, *Social Economy*.....Spuyten Duyvil, N. Y.
CHILD, ALICE MAY, B.S. Minnesota 1901, *Chemistry, Geology*.....Glencoe, Minn.
CHILSON, WALLACE STREETER, A.B. Clark 1911, *Psychology*.....Northampton, Mass.
CIRINO, ANTONIO, B.S. 1911.....Providence, R. I,
COLE, RUTH FITCH, A.B. Minnesota 1902, *Mathematics*.....Minneapolis, Minn,
COLEMAN, DAVID FLEMING, Litt.B. Rutgers 1910, *Physical Science, Chemistry*.....Tottenville. N. Y.
COOK, KATHERINE MARGARET, A.B. Colorado Teachers College 1911, *English*.....Denver, Colo.
CORNISH, HUBERT RAY, B.S. 1910.....Paterson, N. J.
COVERT, WILLIAM S., A.B. Princeton 1898.....Rockville Centre, N. Y.
CRANE, HENRIETTA MEAD, A.B. Wellesley 1905, *Mathematics*.....Montclair, N. J.
CRANE, JESSE ERNEST, Ph.B. Dickinson 1911.....Branchville, N. J.
CUSTER, HORACE LUTHER, A.B. Ursinus 1909, *Psychology*.....Norristown, Pa.
DAVIS, WINIFRED LLOYD, A.B. Emporia 1911, *English*.....Emporia, Kan.
DEUTSCH, JULIA, B.S. 1911.....New York City
DOUGLAS, WALTER BERNARD, B.S. Franklin 1908, *Psychology*.....Flat Rock, Ind.

EAYRS, ELLEN KNOWLES, A.B. Vassar 1911, *Mathematics*.....New York City
EGAN, HANNAH MARY, A.B. N. Y. N. C. 1911.....New York City
EKLUND, EDWIN GUSTAVE, A.B. Minnesota 1908, *Philosophy*.....Moorhead, Minn.
ENTEMAN, WILLARD FINLEY, A.B. Indiana 1907, *Mathematics*.....Jersey City, N. J.
ERNST, FREDERIC, A.B. C. C. N. Y. 1902.....New York City
ERVIN, WALTER EVAN, Ph.B. DePauw 1895, *Sociology*.....Indianapolis, Ind.
FINLAYSON, ALMA JESSIE, B.S. 1910, *Household Arts*....Charlottetown, Prince Edward Island, Canada
FISHER, HOPE, A.B. Vassar 1908, *Psychology*.....Marion, Ohio
FLEISHCHER, EMANUEL MAYER, A.B. 1911, *English*.....Brooklyn, N. Y.
FRANK, JULIUS, B.S., C. C. N. Y. 1898.....New York City
FRAZEE, JOHN CLIFFORD, A.B. Coe 1904, *Chemistry*.....New York City
FUNK, JOHN CALVIN, A.B. Kansas State 1910, *Psychology*.....Hillsboro, Kan.
GILBERT, TERENCE WARD, B.S. 1911, *Psychology*.....Mannsville, N. Y.
HAGAMAN, FRED B., B.S. 1907, *History*.....Mt. Vernon, Ohio
HALE, HARRIET FLORENCE, A.B. 1911, *Psychology*.....Brooklyn, N. Y.
HALL, DELBERT EUGENE, A.B. Grove City 1905, A.M. 1907, *Philosophy*...Mills, Pa.
HALSEY, KATHERINE TREMAN, A.B. Vassar 1908, *Philosophy*.....Bronxville, N. Y.
HAMBRIGHT, JOHN B., A.B. Lebanon Valley 1906.....Englishtown, N. J.
HANNA, HOWARD JOHN, A.B. Kansas State 1911, *Philosophy*.....Waverly, Kan.
HARADA, KICHI, Equivalent A.B. Meiji Women's Seminary 1899, *Sociology*.....Tochigiken, Japan
HARRIS, LEON FRANCIS, A.B. C. C. N. Y. 1904.....New York City
HARVEY, LOUISE EUGENIE, A.B. N. Y. N. C. 1911, *Mathematics*.....New York City
HASSLOCK, CLARA WHORLEY, A.B. University of Nashville 1905, *Biological Chemistry*.....Nashville, Tenn.
HEAD, WALTER DUTTON, A.B. Harvard 1902, *Romance Languages* W. Somerville, Mass.
HENRY, DAVID WATTERS, A.B. Kansas State Normal 1911.....Norwalk, Conn.
HIGGINS, EDNA DEE, B.L. University of California 1911, *English, History*.....Berkeley, Calif.
HINCHLIFF, GRACE FLORINE, A.B. Knox 1910, *Biological Chemistry*.....Galesburg, Ill.
HOLMES, SARAH MARCIA, A.B. Park 1909, *Biology*.....Alamogordo, N. M.
HORN, JACOB HENRY, A.B. Muhlenberg 1910.....Hagersville, Pa.
HUNTER, JAMES ROBERT, A.B. Vanderbilt 1895, *Psychology*.....Emory, Va.
JOHNSTON, SARAH HELEN, A.B. Cornell 1899, *Mathematics*.....Ovid, N. Y.
KEELER, RALPH WELLES, A.B. Wesleyan 1904, A.M. 1909, B.D. Drew Theological 1907.....New York City
KING, LEWIS CASS, B.S. C. C. N. Y. 1908.....New York City
KISSELL, MARY LOIS, B.S. 1911, *Sociology*.....New York City
LAKE, SIDNEY, B.S. C. C. N. Y. 1906.....New York City
LEAKE, EMMA GERTRUDE (MRS.), Ph.B. Colorado 1897, M.Pd. N. Y. U. 1898, *Psychology*.....Maryville, Mo.
LEE, CHARLOTTE EMMELINE, B.S. 1907, A.B. Mt. Holyoke 1907.....Huntington, N. Y.
LEETE, WILLIAM ROCKWELL, A.B. Yale 1908.....New Haven, Conn.
LEMAN, GEORGE WASHINGTON, B.S. C. C. N. Y. 1909.....Brooklyn, N. Y.
LEVENE, HARRY, B.S. 1908.....New York City
LEVENTHAL, MURRAY JACOB, A.B. C. C. N. Y. 1911, *Mathematics*.....New York City
LEVITT, CLARENCE HERVEY, A.B. Chicago 1902.....Belvidere, Ill.
LOUGHRAN, GEORGE ANDREW, B.S. N. Y. U. 1907, *Public Law*.....New York City
LUSTGARTEN, AUGUSTA, A.B. 1911.....New York City
MCDANELL, LOUISE, B.S. Nashville 1902, A.B. Leland Stanford, Jr. 1906, *Biological Chemistry*.....New York City
MACDONALD, DAVID JAMES, A.B. Leander Clark 1905, A.M. Iowa 1906, *Psychology*.....Ohio, Ill.
MCFARLANE, JESSIE, B.S. 1907, *History*.....New Berlin, N. Y.
MCGOWIN, MARGARET ODELL, B.S. 1910.....New York City

MacKay, Jennie King, A.B. 1911, *Latin, Romance Languages*.....New York City
McKeever, Edna Josephine, A.B. 1911, *Social Economy*.....New York City
Magginis, Willis D., A.B. Tri-State 1911, *Economics*.....St. Joe, Ind.
Mertz, Paul Allen, A.B. Ursinus 1910, *English*.....Plainfield, N. J.
Miller, Emily Ottilie, A.B. Wellesley 1911, *History*.....New York City
Miller, Alvin J., A.B. Goshen 1911.....Grantsville, Md.
Miller, Edward Patterson, Jr., A.B. Princeton 1908, *English*.....Elizabeth, N. J.
Miller, Isidore, B.S. 1911.....New York City
Minahan, Mary Elizabeth (Mrs.), B.S. 1911, *Social Economy*...Calumetville, Wis.
Modesitt, Raymond Lyons, A.M. Indiana 1909, *Mathematics*.....Atherton, Ind.
Morison, Margaret Baker, A.B. Bryn Mawr 1907, *English*.....New York City
Morrison, William John, B.S. Swarthmore 1896, *History*.....Brooklyn, N. Y.
Muir, James Nicol, B.S. Pennsylvania 1904, *Psychology*.....Johnstown, Pa.
Murrill, Pitt Samuel, B.S. Virginia Polytechnic 1902, M.S. 1904, *Economics*.....Blacksburg, Va.
Newman, Minnie May, A.B. Nebraska 1910, *English*.....Lincoln, Neb.
Noska, Elliot Valentine, B.S. C. C. N. Y. 1906, *Social Economy*.....New York City
Olin, Charlotta Harriet, Ph.B. Buchtel 1904, *Psychology*.....Akron, Ohio
Page, Donald Taylor, A.B. Dartmouth 1901, *Mathematics*.....Haverhill, N. H.
Parsons, Edith Ferris, A.B. Leland Stanford, Jr., 1903.....Saratoga, Calif.
Pendleton, Eo., B.S. 1911, *Anthropology*.....Bryn Athyn, Pa.
Phillips, Helen S., A.B. 1909, *English*.....New York City
Porter, Harry Primrose, A.B. Washington 1905, *English*.....Snow Hill, Md.
Reback, Herman William, B.S. C. C. N. Y. 1906, *English*.....New York City
Reese, Amos Philip, B.S. Lafayette 1898, M.S. 1901, *Mathematics*.....Mansfield, Pa.
Reynolds, Jessie May, A.B. Michigan 1901, *Mathematics*.....Grand Haven, Mich.
Roantree, William Fox, A.B. Colgate 1904, *Mathematics*.....New York City
Robinson, Eva A., A.B. Toronto 1902, A.M. 1905, *German*....Owen Sound, Ontario, Canada
Rochester, Mary Muriel, A.B. N. Y. N. C. 1908, *Roman Archæology*.....New York City
Rodewig, Florence Hilda, A.B. Wooster 1911, *English, History*.....Bellaire, Ohio
Rowell, Elizabeth, Ph.B. Colorado 1895, *History*.....Seattle, Wash.
Sameth, Elsie, B.S. 1911, A.B. N. Y. N. C. 1904, A.B. Cornell 1911.....New York City
Schoettle, George H., B.S. C. C. N. Y. 1908.....New York City
Scovel, Christine Merle, B.S. N. Y. U. 1910, *English*.....New York City
Seager, Anna Luella, B.S. 1909, *English*.....Brockport, N. Y.
Selkin, Frances B., A.B. N. Y. N. C. 1911, *Mathematics*.....New York City
Sibley, Winifred, Pd.B. Cole 1886, A.B. 1911, *Psychology*.....Greeley, Colo.
Simons, Lao Genevra, B.S. 1908, *Mathematics*.....New York City
Simpson, Homer Nelson, A.B. Cornell 1909, *Geology*.....Poughkeepsie, N. Y.
Simpson, Katherine Aby, B.S. 1911, *Mathematics*.....Jefferson City, Tenn.
Smith, Charlotte, A.B. Minnesota 1910, *Household Arts*.....Montevideo, Minn.
Smith, Cilda Langfitt, A.B. West Virginia 1908, *Mathematics*....Fairmont, West Va.
Smith, Leslie Brewster, A.B. 1905.....Mt. Vernon, N. Y.
Smith, William Alexander, A.B. Williams 1890, *Philosophy*.....Hackensack, N. J.
Smith, William Thomas, A.B. St. Francis Xavier 1899, A.M. 1900.....Brooklyn, N. Y.
Snow, Ella Marion, B.S. 1906, *Romance Languages*.....Brockton, Mass.
Snow, Minnie Rose, Ph.B. Wesleyan 1897, *Mathematics*.....East Hampton, Conn.
Stewart, Hugh Henry, B.S. 1911.....New York City
Stillman, Dorothea, A.B. Vassar 1910.....Rockville Centre, N. Y.
Strachan, Agnes, A.B. California 1910, *Latin*.....San Francisco, Calif.
Strader, William Weller, B.S. 1910, *Mathematics*.....Weehawken Hts., N. J.
Stryker, Russell Foote, A.B. Rutgers 1910.....Bound Brook, N. J.
Sweeny, Mary E., A.B. Transylvania 1899, M.S. Kentucky State 1906, *Biological Chemistry*.....Lexington, Ky.

TAYLOR, CHESTER EDWIN, A.B. Boston 1908, *Psychology* ..... New York City
TERRELL, HUBERT NELSON, A.B. Wesleyan 1902 ..... Dobbs Ferry, N. Y.
THOMPSON, FRED LORING, B.S. Amherst 1904 ..... New York City
THOMSON, ANDREW SAMUEL, Ph.B. Brown 1898, *Psychology* ... Alexandria Bay, N. Y.
TOTAH, KHALIL ABDULLAH, A.B. Clark 1911, *Psychology* ..... Ramallah, Palestine
TYNDALL, GERTRUDE VANAUKEN, B.S. 1910, *Physical Science* ..... Mt. Vernon, N. Y.
TYNER, BUNYAN YATES, A.B. Wake Forest 1908, *English* ..... Wingate, N. C.
USRY, ELDON LEONARD, B.M.E. Iowa State 1904, *Psychology* ..... Des Moines, Iowa
VAN BUSKIRK, ANNIE SCHMELZEL, A.B. 1911, *Greek Archæology* ..... New York City
VAN SANT, JOHN THOMAS, A.B. DePauw 1904, *Mathematics* ..... Greencastle, Ind.
VAN SCHAICK, LEMUEL W., A.B. Colgate 1904 ..... Scarsdale, N. Y.
VAN WAGENEN, MARION J., B.S. 1911, *Psychology, Sociology* ..... Ohioville, N. Y.
VIERLING, CLARA, A.B. Indiana 1903, *History* ..... Princeton, Ind.
VILLELLI, JOSEPH ANTHONY, B.D. Union Theological 1910, *French* ..... Bayonne, N. J.
WAGNER, THOMAS JEFFERSON, A.B. Franklin and Marshall 1910. . Tomkins Cove, N. Y.
WEBSTER, EDWARD HARLAN, A.B. Bowdoin 1910 ..... Washington, D. C.
WELSH, JOHN CLEVELAND, B.S. Carson and Newman 1887, M.S. George Washington 1905, *English* ..... New York City
WEST, MIRIAM ESTHER, A.B. Milton 1908, *Mathematics* ..... Milton Junction, Wis.
WETTLIN, EMMA LOUISE, B.S. 1902 ..... Westfield, N. J.
WHISENHUNT, COLUMBUS CALLOWAY, A.B. Indiana 1911, *Psychology* .... New York City
WILCOX, WINIFRED, B.S. 1908 ..... Pelham, N. Y.
WILEY, WILLIAM H., B.S. 1909 ..... N. Tarrytown, N. Y.
WILLIAMS, MYRON LAWSON, A.B. Texas 1908, *Psychology* ..... Denton, Tex.
WILSON, WILLIAM H., B.S. 1909 ..... Paterson, N. J.
WOODLAND, MANFORD, A.B. Otterbein 1901, *Psychology* ..... New York City
YOAKLEY, INA, B.S. 1911, B.S. Milligan 1895, *Zoölogy, Physiology* Johnson City, Tenn.
YOST, JOHN WYCLIFFE, A.B. Dickinson 1903, *Chinese* ..... Stewartstown, Pa.
ZIEGLER, CARL WILLIAM, B.S. Colgate 1910 ..... Scranton, Pa.

UNCLASSIFIED GRADUATES

BARNETT, I. Irving, A.B. C. C. N. Y. 1903, Pd.M. N. Y. U. 1909 ..... New York City
BOSTWICK, SARA WELLS, B.S. 1910 ..... Montclair, N, J.
COLVIN, STEPHEN SHELDON, Ph.D. Strassburg 1897 ..... Urbana, Ill.
DRESSEL, HERMAN, JR., L.B. Norwich 1890, A.M. 1895 ..... Arlington, N. J.
EGGLESTON, CHARLOTTE, A.B. 1900 ..... Tomkinsville, N. Y.
ELLIS, CHARLES CALVERT, A.B. Juniata 1898, Ph.D. Pennsylvania 1907 Huntingdon, Pa.
EUSTIS, MARY, A.B. Wells 1908 ..... New York City
FAIRCHILD, EDITH MIRIAM, A.M. 1902 ..... Mt. Vernon, N. Y.
FISHER, LOUISE MARION, B.S. 1906 ..... New York City
FOREST, KATHERINE, A.B. Smith 1905 ..... New York City
FREEMAN, SARA H. M., A.B. Vassar 1903 ..... Englewood, N. J.
FUESLEIN, VERA AMANDA, A.B. 1911 ..... New York City
GOLDSMITH, EVELYN, B.S. 1910 ..... Binghamton, N. Y.
HANEY, JOHN DEARLING, Ph.D. 1910 ..... New York City
HARRINGTON, GRACE AILEEN, B.S. 1906, A.M. 1910 ..... Montpelier, Vt.
HEGLAND, MRS. GEORGINA DIESON, A.B. St. Olaf 1904 ..... New York City
HUBBARD, HUGH WELLS, A.B. Amherst 1908 ..... White Plains, N. Y.
HUMMEL, FRANCIS MARTIN, A.B. Rutgers 1901, A.M. 1904, Pd.B. Albany Normal 1902 ..... Bloomfield, N. J.
INGALLS, EDITH MAY, A.B. 1902 ..... New Rochelle, N. Y.
KEELER, MRS. E. C., A.B. Wellesley 1902 ..... New York City
KEMMA, CHARLOTTE, B.S. 1910 ..... New York City
LEVIN, MARY, A.B. Colorado 1909 ..... Hawthorne, N. Y.
LYON, LOIS, A.B. Wooster 1901 ..... Madison, N. J.

McCreary, Herbert J., B.S. Michigan 1899.....Brooklyn, N. Y.
MacLeod, Grace, B.S. Mass. Institute of Technology 1901.....Springfield, Mass.
Minnick, John D., A.B. Butler 1893, A.M. George Washington 1898....New York City
Moser, Regina Virginia, A.B. Vassar 1899.....Brooklyn, N. Y.
Oppenheim, Ella, A.B. 1909.....New York City
Racoubian, Roufen, B.S. 1910, A.M. 1911.....Sivas, Turkey
Rogers, James Clarkson.....Brooklyn, N. Y.
Sailer, Thomas H. P., A.B. Princeton 1889, Ph.D. Princeton 1895....Englewood, N. J.
Sanderson, Mary Logan, A.M. 1911.....New York City
Schneider, Emilie, B.S. 1911.....Meriden, Conn.
Sheppard, Charles, B.S. N. Y. U. 1907.....Paterson, N. J.
True, Carrie Mabel, A.B. Colby 1895, A.M. Radcliffe 1901....Schenectady, N. Y.
Updyke, Austin Hiel, Pd.M. N. Y. U. 1911.....Guttenberg, N. J.
Woll, Frederic Albert, B.S. 1910, A.M. 1911.....New York City

Professional Students Candidates for the Bachelor's Degree and Diploma

SENIORS

Albert, Amanda Anna (*Fine Arts*).....Espanola, Wash.
Alfke, Ethel V. (*History*).....New York City
Allan, Agnes Cecilia (*Music*).....New York City
Allen, Bessie May (*Household Arts*).....Postville, Iowa
Allen, Sara Thomas (*Household Arts*).....Dartmouth, Mass.
Arms, Miranda Ray (*Household Arts*).....Calistoga, Calif.
Atkinson, Louise Sibley (*Kindergarten Supervision*).....Brooklyn, N. Y.
Austin, Charles L., Jr., (*Industrial Arts*).....Brooklyn, N. Y.
Avent, John McDonough (*English*).....New York City
Ballou, Willard Alger, (*Mathematics*).....Brooklyn, N. Y.
Bardenheuer, Clara E. (*German*).....College Point, N. Y.
Barrett, Mary Louise (*Elementary Supervision*).....Rochester, N Y.
Beck, Alga May (*Physical Education*).....New Brighton, N. Y.
Bell, Mabel Beatrice Valentine (*Mathematics*).....West New Brighton, N. Y.
Benedict, Mabel Irene (*Household Arts*).....Yonkers, N. Y.
Bennett, Ross Vernon (*English*).....New York City
Bentley, Jean Eliza (*Household Arts*).....Cripple Creek, Colo.
Bernkopf, Charlotte Sophia (*German*).....New York City
Bidstrup, Gerda (*Elementary Supervision*).....Brooklyn, N. Y.
Binkley, Lelia Tyler (*Biology*).....Gainesville, Texas
Binkley, Ralston (*History*).....New York City
Blair, Effie Florence (*Music*).....Keithsburg, Ill.
Blake, Anna Seymour (*Kindergarten Supervision*).....Brooklyn, N. Y.
Blankenstein, Margaret (*German*).....New York City
Boegehold, Hilda (*Household Arts*).....Mt. Vernon, N. Y.
Bonney, Louise Emily (*English*).....Hackensack, N. J.
Booth, Edna (*Mathematics*).....New York City
Bosworth, M. Blanche (*Kindergarten Supervision*).....New York City
Bower, Sarah Elizabeth (*Household Arts*).....No. Adams, Mass.
Brady, Katharine Rogers (*English*).....Brooklyn, N. Y.
Brady, William Edward (*History*).....Austin, Pa.
Brandon, Maude Anna (*Household Arts*).....New York City
Bray, Corinne Beatrice (*Physical Science*).....Detroit, Mich.
Bridge, Elizabeth (*Household Arts*).....Mill Valley, Calif.
Briggs, Annie Bennett (*Kindergarten*).....East Orange, N. J.
Brookmyer, Ivan Lutz (*Physical Science*).....Neffsville, Pa.
Brown, Alex., M. D. (*Physical Science*).....New York City

BRUNDAGE, HOWARD DRAKE (*Industrial Arts*).....New York City
BRYAN, EDWARD H. (*Elementary Supervision*).....Cresskill, N. J.
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BUQUO, HELEN (*Household Arts*).....Knoxville, Tenn.
BURGESS, ELIZABETH CHAMBERLAIN (*Household Arts*).....New Haven, Conn.
BURNITE, MARY A. (*Household Arts*).....New York City
BUSHNELL, EDNA JEAN (*Household Arts*).....Brookings, S. D.
BUSICK, MATHILDA (*Kindergarten Supervision*).....New York City
CAMPBELL, MARGARET (*Elementary Supervision*).....Danville, Ill.
CAMPBELL, VIOLA HORTENSE (*Household Arts*).....Yonkers, N. Y.
CARPENTER, FRANCES RUTH (*Fine Arts*).....Elberton, Ga.
CAWLEY, ANNA GERTRUDE (*Industrial Arts*).....East Providence, R. I.
CHAFFEE, CATHERINE E. (*English*).....Yonkers, N. Y.
CHAIM, HENRY ISADOR (*History*).....Oroville, Calif.
CHANDLER, HELEN (*Household Arts*).....Cleveland, Ohio
CHILDS, EMMA LUCENA (*Household Arts*).....Ypsilanti, Mich.
CILLEY, LUCIA HUBBARD (*Elementary Supervision*).....Brooklyn, N. Y.
** CLARK, ANNA MANSFIELD.....Salisbury, Conn.
CLUNE, MARY CATHERINE (*Geography*).....Springfield, Mass.
COHEN, ABRAHAM (*Physical Science*).....Brooklyn, N. Y.
COHEN, PHILIP (*History*).....Brooklyn, N. Y.
COLBURN, ELIZABETH VANDERPOEL (*Fine Arts*).....Albany, N. Y.
CONDON, JEANETTE (*Physical Education*).....New York City
CONNOLLY, JAMES FRANCIS (*Elementary Education*).....Cornwall-on-Hudson, N. Y.
|| CONWAY, JOSEPH (*Latin*).....New York City
COONROD, MARIETTA (*Household Arts*).....Port Jervis, N. Y.
COOPER, ISABEL SUTHERLAND (*Physical Education*).....New York City
CORNBROOKS, MARIAN EDITH (*Household Arts*).....Moline, Ill.
COY, GEORGIA VALENTINE (*Biology*).....Los Angeles, Calif.
CRONAN, FRANCES JESSIE (*Elementary Supervision*).....New York City
DALTON, ANNA THERESA (*Household Arts*).....Tracy, Minn.
DAVIDSON, MARY E. S. (*Biology*).....Weehawken, N. J.
DAVIS, KATE PAULINE (*Household Arts*).....Lincoln, Neb.
DAVIS, MAUD ALICE (*Elementary Supervision*).....Tacoma, Wash.
DAY, ABBIE LOUISE (*Elementary Supervision*).....Minneapolis, Minn.
DELIMA, EDITH ABINUM (*Household Arts*).....New York City
DEMPSEY, FLORENCE (*Primary Supervision*).....Milwaukee, Wis.
DENNISTON, MARY (*Primary Teaching*).....Washingtonville, N. Y.
DESHEL, MORRIS (*History*).....New York City
DES VOIGNES, MINNIE EVANS (MRS.) (*Elementary Supervision*).....Decatur, Ill.
DEWEY, ROBERT MERRILL (*English*).....Northampton, Mass.
DICKEY, FRANCES M. (*Music*).....Cedar Falls, Iowa
DOBBIN, BENJAMIN HARRISON (*Elementary Supervision*).....Port Chester, N. Y.
DONNELLY, ALICE MARGARET (*Household Arts*).....Cincinnati, Ohio
DOUGALL, JOHN BERNARD (*Elementary Supervision*).....Freeport, N. Y.
DUBOIS, SOLOMON E. (*English*).....New Paltz, N. Y.
DUNNE, FLORENCE (*Household Arts*).....New York City
EILBECK, WINONA MAUDE (*Household Arts*).....Newcastle, Ontario, Can.
ENGLISH, WARREN (*Industrial Arts*).....Mays Landing, N. J.
EPSTEIN, MORRIS LOUIS (*French*).....Brooklyn, N. Y.
FERN, IRVING WILLIAM (*German*).....Brooklyn, N. Y.
FIERO, MAUDE LOUISE (*History*).....Round Top, N. Y.
FOX, JENNIE HAZEL (*Household Arts*).....Loyalsock, Pa.
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||Candidate for the A.B. degree. ** Degree only.

GAUNT, JOHN LEONARD (*German*).....Huntingdon, Pa.
GENIN, MARY JANE (*Mathematics*).....Atlantic Highlands, N. J.
GIDEN, ABRAHAM (*History*).....New York City
GLASSER, HENRY GALEN (*Mathematics*).....Dunellen, N. J.
GLEICH, MORRIS (*Physical Education*).....New York City
GODFREY, EDNA BELLE (MRS.) (*Household Arts*).....New York City
GODFREY, VERA MAY (*Household Arts*).....New York City
GOLDFINGER, LEO (*Fine Arts*).....New York City
GOMEZ, GALACION (*Biology*).....Tehuetlán, Hid., Mexico
GOODWIN, THERESA AGNES (*Elementary Education*).....New York City
GORDON, LOUIS (*Mathematics*).....Washington, D. C.
GOTTLIEB, GEORGE JOSEPH (*Elementary Education*).....Brooklyn, N. Y.
GRAY, JULIET GUYER (*English*).....Stormstown, Pa.
GRAY, LILLIAN (*English*).....Fort Plain, N. Y.
GRAY, MAUDE (*Elementary Supervision*).....New York City
GREGORY, HENRIETTA (*Household Arts*).....Long Branch, N. J.
GRIFFITH, GERTRUDE AUER (*Household Arts*).....Brewster, N. Y.
GUNN, MARY WILDER (*Elementary Supervision*).....Honolulu, T. H.
HALL, CORA ELIZA (*Household Arts*).....New York City
HALL, MARIE ALINE (*Fine Arts*).....San José, Calif.
HAMEL, GEORGIANA (*Geography*).....Newark, N. J.
HAMILTON, RUTH GAIL (*Household Arts*).....Two Rivers, Wis.
HANSON, DAISY EVELYN (*History and English*).....Mt. Vernon, N. Y.
HARDING, KATHERINE ANNA (*Household Arts*).....Brooklyn, N. Y.
HARPER, ANNIE ELIZA (*Elementary Supervision*).....Milledgeville, Ga.
HARRIS, JESSIE WOOTTEN (*Household Arts*).....Texarkana, Texas
HASTINGS, ELSIE MARY (*Fine Arts*).....New York City
HATHAWAY, MAUDE CAROLINE (*Household Arts*).....Blissfield, Mich.
HAY, MABEL MARTIN (*Household Arts*).....Seattle, Wash.
HERMAN, HENRIETTA RENA (*English*).....Danville, Va.
HESS, ELIZABETH MAY (*Household Arts*).....Bethlehem, Pa.
HIGGINS, FRANCES CALDWELL (*English*).....Montevallo, Ala.
HIGGINS, MARY E. (*English*).....Sturgeon Bay, Wis.
HILL, HELEN GRANT (*Household Arts*).....New York City
HILL, JESSICA MATEER (*English*).....New York City
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HOLMAN, BESSIE FRANCES (*Household Arts*).....Indianapolis, Ind.
HOOD, GRACE GORDON (*Household Arts*).....Chicago, Ill.
HOPSON, DOROTHY SLADE (*Kindergarten Supervision*).....Bridgeport, Conn.
HOTALING, ETHEL MARIE (*English*).....Albany, N. Y.
HOURIHAN, DANIEL BERNARD (*History*).....Winthrop, N. Y.
HUNAEUS, PAULA (*German*).....Hanover, Germany
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HUNTER, ELSIE MARGARET (*Primary Teaching*).....New York City
HUNTER, F. BEATRICE (*Household Arts*).....New York City
HUTCHINSON, HARRIET ELIZA (*French*).....Boston, Mass.
HUYSSOON, MAGDALENA PROVOOST (*Elementary Supervision*).....Paterson, N. J.
HYDE, LILLIAN SERAPHINE (*Household Arts*).....Palo Alto, Calif.
INGRAM, VIOLET (*Physical Science*).....Brooklyn, N. Y.
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KELSEY, FRANCES MARTIN (MRS.) (*Elementary Education*)....New York City
KELSEY, LUCILE FLORENCE (*English*)....Clinton, Conn.
KELTON, MARY ELIZABETH (*Elementary Education*)....Potsdam, N. Y.
KING, HAZEL WILDONIER (*English*)....Bay Shore, N. Y.
KNIGHT, GRACE (*Household Arts*)....New York City
KURTZ, EDWARD (*Industrial Arts*)....Olney, Ill.
LANDES, SARAH WINDLE (*Household Arts*)....Philadelphia, Pa.
LANDMAN, SARA (*Household Arts*)....Cincinnati, Ohio
LANGFORD, JOHN EFFERN (*History*)....New Rochelle, N. Y.
LEONARD, CAROLINE WILTSE (*History*)....Bayonne, N. J.
LEROY, WALTER IRVING (*Industrial Arts*)....Highland, N. Y.
LEVIN, ISAAC HARRIS (*Physical Science*)....Brooklyn, N. Y.
LEVY, JOSEPH (*Latin*)....Brooklyn, N. Y.
LIBBIN, MABEL NICHOLS (MRS.) (*Grammar Grades*)....New York City
LITTLE, MABEL COLLETTE (*Household Arts*)....Norwalk, Ohio
LOTZ, ELSA (*German*)....Brooklyn, N. Y.
LUCE, ERNEST BURT (*Elementary Supervision*)....Ridgefield Park, N. J.
LYON, HENRIETTA BALDY (*Household Arts*)....Williamsport, Pa.
MCCRAE, ANNIE (*Fine Arts*)....New York City
MCFARLAND, DAVID STEPHEN (*Industrial Arts*)....Camillus, N. Y.
MCGAVACK, MARY BELL (*English*)....Max Meadows, Va.
MAC GREGOR, KATE MILLER (*Elementary Education*)....Hillburn, N. Y.
MCKECHNIE, MARY M. (*Household Arts*)....Montreal, Canada
MCLAURY, HARRIET E.H. (MRS.) (*Elementary Education*)....Deposit, N. Y.
MCLEMORE, WILLIAM DENNIS (*Industrial Arts*)....New York City
MACPHERSON, LYDIA BLEU (*Household Arts*)....Trenton, N. J.
MARCH, LUCY BISSELL (*English*)....Pottstown, Pa.
MARTIN, NANCY LAYTON (*English*)....Sussex, N. J.
MATHES, FANNIE PENDEXTER (*English*)....Dover, N. H.
MAYO, LISA CAROLINE (*Household Arts*)....Southwest Harbor, Me.
MERRITT, ALTA HEPZABETH (*English*)....Duluth, Minn.
MESEROLL, SARAH (*Primary Supervision*)....Trenton, N. J.
MIGNON, HELEN LEONIE (*Household Arts*)....San José, Calif.
MILES, SARA (*History*)....Kingston, Pa.
MITCHELL, RUTH BLACKSTONE (*Music*)....Springfield, Mass.
MIX, GRACE ELDRIDGE (*Kindergarten Supervision*)....Grand Rapids, Mich.
MORSE, LOUIS THEODORE (*English*)....Brooklyn, N. Y.
MOSKOWITZ, DAVID EZEKIEL (*Industrial Arts*)....New York City
MURDOCH, KATHERINE (*Educational Psychology*)....Pittsburgh, Pa.
NABERSBERG, BERTA (*Fine Arts*)....St. Paul, Minn.
NEEDHAM, HARRIET (*Elementary Supervision*)....Honolulu, T. H.
NESMITH, MARY ETHEL (*English and Latin*)....Lake City, S. C.
NEVILLE, ELEANOR S. (*English*)....Lindenhurst, L. I.
NEWBURY, MAUD CHRISTINE (*English and Elementary Supervision*)....Woolford, Md.
NORTH, SAMUEL MAITH (*Education*)....Baltimore, Md.
O'GERAN, ANNIE SUSAN (*Elementary Education*)....Oswego, N. Y.
O'KEEFE, LOUISE LANGLEY (*Elementary Supervision*)....White Plains, N. Y.
OLD, ANNA VALERIE (*Kindergarten*)....Montclair, N. J.
OLIVER, MARY PAULINE (*History*)....Winston-Salem, N. C.
OLSEN, ANNA MARGRETHE (*Household Arts*)....Herscher, Ill.
OLSON, IDA VICTORIA (*Household Arts*)....Escanaba, Mich.
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PALMER, ALICE FRANCES (*History*).....New York City
PARCEL, ELIZABETH EBBERT (*Elementary Education*).....Westfield, Ill.
PARKER, CLARA MABEL (*Household Arts*).....Grinnell, Ia.
PARKER, LINETTE ALTHANA (*Household Arts*).....West Peabody, Mass.
PARROTT, EDITH LANDER (*Household Arts*).....Darlington, S. C.
PATTERSON, HELENA MAY (*English*).....Windham, N. Y.
PHILLIPS, EDNA (*Household Arts*).....New York City
PICKEN, MAE EVANGELINE (*Primary Supervision*).....Caledonia, Ill.
POMEROY, GLADYS (*Biology*).....Rahway, N. J.
PORTER, DOROTHY (*Industrial Arts*).....Huntington, W. Va.
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REICHARD, SAMUEL (*Industrial Arts*).....Brooklyn, N. Y.
RELYEA, GEORGE LORENZO (*Industrial Arts*).....New Paltz, N. Y.
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ROBBINS, SUSAN (*Household Arts*).....Lexington, N. C.
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SCHEINBACH, MAX HENRY (*History*).....New York City
SCHERMERHORN, GRACE (*Household Arts*).....Springfield, Ill.
SCHWARTE, VIRGINIA MARIE (*German*).....Saratoga Springs, N. Y.
SCHWARTING, LOUISE ELFRIDE (*Household Arts*).....Reinauk, Ia.
SEYMOUR, LURENE (*Household Arts*).....Decatur, Ill.
SHELTON, ALTA (*History*).....Florence, Ala.
SHERIDAN, JOSEPH A. (*Mathematics*).....New York City
SHIMER, MARY BLANCHE (*Primary Supervision*).....Easton, Pa.
SIEGRIST, MARY (*English*).....Lebanon, Pa.
SIMMONS, KATE CAMERON (*Fine Arts*).....Brooklyn, N. Y.
SIMPSON, CORA FRONIA (*Household Arts*).....Pomona, Calif.
SKINNER, GERTRUDE ELIZA (*Kindergarten Supervision*).....Barton, Vt.
SKOLNICK, ISIDORE (*Mathematics*).....New York City
SMEETON, MARY ALICE (*Household Arts*).....Newark, Eng.
SMITH, HILDA (*Household Arts*).....Los Angeles, Calif.
SMITH, LAURA GOODING (*Household Arts*).....Naples, N. Y.
SMITH, MEREDITH (*Kindergarten Supervision*).....Omaha, Neb.
SMITH, STEPHEN V. (*History*).....Port Washington, N. Y.
SPEECE, HAROLD EUGENE (*Industrial Arts*).....New York City
SPENCER, MARY (*Fine Arts*).....Brooklyn, N. Y.
SPERLING, HARRY (*Physical Education*).....Brooklyn, N. Y.
SPURR, E. EUPHEMA (*History*).....Buffalo, N. Y.
STADLER, BLANCHE FANNIE (*Kindergarten Supervision*).....New York City
STAGE, JENNIE MAY (*French*).....Middletown, N. Y.
STANTON, WILLIAM HENRY (*Elementary Supervision*).....Brooklyn, N. Y.
STEELE, ROXANA ALER (*Elementary Supervision*).....Baltimore, Md.

** Degree only.

STEVENS, AMY JANE (*English*) ..... Goldsboro, N. C.
STONE, ALA (*Primary Supervision*) ..... Atlegan, Mich.
STONE, GRACE AGUSTA (*Biology*) ..... New York City
STONE, LOUIS (*Mathematics*) ..... New York City
STOTZER, CLARICE RACHEL (*Household Arts*) ..... Wauseon, Ohio
STOWELL, WILLARD ALLEN (*Biology*) ..... Trenton, N. J.
STRANG, BENJAMIN BERGEN (*Mathematics*) ..... Brooklyn, N. Y.
SWORDS, SARAH LILLIAN (*Geography*) ..... New York City
TAYLOR, LAURA (*Physical Education and Elementary Supervision*) ..... Tacoma, Wash.
THOMAS, MARTHA ELLEN (*Household Arts*) ..... Yonkers, N. Y.
THOMPSON, ALICE (*Elementary Supervision*) ..... Plainfield, N. J.
THOMPSON, JOHN GRANT (*History*) ..... New York City
THOMPSON, ROBERTA (*Mathematics*) ..... Port Richmond, N. Y.
TOWLER, MAY BELLE (*Household Arts*) ..... Minneapolis, Minn.
**TREAT, DOROTHY HASTINGS ..... New York City
**TREAT, MARJORIE KENT ..... New York City
TSEN, ARCHIE TSUNG-LIANG (*Elementary Education*) ..... Wuchang, China
TUCKER, ELIZABETH LEE (*Elementary Education*) ..... Buffalo, N. Y.
TUPPER, KATHARINE (*Household Arts*) ..... Glens Falls, N. Y.
TURNER, CLARA GRETHA (*Household Arts*) ..... East Florenceville, N. B., Canada
TUTHILL, CHARLES SCOTT (*Elementary Supervision*) ..... Jamaica, N. Y.
VANCE, JULIA (*Household Arts*) ..... Milford, Neb.
VAN LIEW, MARION SYDDUM (*Household Arts*) ..... Los Angeles, Calif.
VIGNERON, MARCEL HENRI (*French*) ..... Limoges, France
WALSH, JOHN JOSEPH (*History*) ..... New York City
WALTHER, CATHERINE MARGARETTA (*German*) ..... Mt. Vernon, N. Y.
WARD, MARY ANNA (*Household Arts*) ..... Provo, Utah
WARDELL, SAMUEL EDWARD (*Industrial Arts*) ..... Orange, N. J.
WATERBURY, ARTHUR E. (*Elementary Supervision*) ..... East Schodack, N. Y.
WATERS, CHRISTINE (*Household Arts*) ..... Goodlettsville, Tenn.
WATSON, SUSAN AUGUSTA (*Household Arts*) ..... Winchendon, Mass.
WECKMANN, LUISE (*German and French*) ..... New York City
WEINTROB, JOSEPH (*Elementary Supervision*) ..... Atlantic City, N. J.
WEISS, PAULINE MARIE (*History*) ..... Newark, N. J.
WESSA, ALICE (*Geography*) ..... New York City
WEST, MABEL LOUISE (*Elementary Supervision*) ..... Milton Junction, Wis.
WHITNEY, JENNIE (*Household Arts*) ..... Wheaton, Ill.
WHITTEMORE, ALZUMA FARQUHAR (*English*) ..... Adams, N. Y.
WHITTEN, ALICE ANN (*Household Arts*) ..... Wilmington, Del.
WILFORD, MARY GERTRUDE (*Latin*) ..... New York City
WILSON, JOHN REID (*Elementary Supervision*) ..... Paterson, N. J.
WILSON, JOSEPH (*Elementary Supervision*) ..... Paterson, N. J.
WILSON, MADELE (*Kindergarten*) ..... New York City
WINCHELL, JESSIE AGNES (*Household Arts*) ..... Mt. Vernon, N. Y.
WINSLOW, LEON LOYAL (*Industrial Arts*) ..... Brockport, N. Y.
WINWARD, LEONORA EUGENE (*Fine Arts*) ..... Tiverton, R. I.
WOHLFEIL, LEO BAYARD (*English*) ..... New York City
WONG, KAI MING (*Mathematics*) ..... Canton, China
*WOOD, CAROLINE CONKLIN (*Fine Arts*) ..... New York City
WOODELTON, JENNIE (*Physical Education*) ..... Astoria, N. Y.
WRIGHT, ELEANOR (*Music*) ..... Baltimore, Md.
WRIGHT, MARY ALMA (*Household Arts*) ..... Minneapolis, Minn.
YUNCK, BERNACLINE MEYER (*Physical Education*) ..... Orange, N. J.
ZIMBAL, SAMUEL (*English*) ..... New York City

*Diploma only. **Degree only.

JUNIORS

ACHESON, MAUDE AMANDA (*History*).....Brockport, N. Y.
ALEXANDER, HARRIET (*Physical Education*).....Brooklyn, N. Y.
ALLBEE, ELSIE HELEN (*Household Arts*).....Arlington, N. J.
ALLEN, GRACE AMELIA (*Kindergarten*).....Oswego, N. Y.
APGAR, NELLIE (*Fine Arts*).....Somerville, N. J.
ARNER, LUCY MARJORIE (*Kindergarten*).....Traverse City, Mich.
ARNOLD, HELEN HUNT (*Fine Arts*).....Dayton, Ohio
BACHE, ELIZABETH DUBOIS (*Household Arts*).....Washington, D. C.
BAILEY, CLARA (*Physical Education*).....Brooklyn, N. Y.
BALLOU, MILDRED (*Kindergarten*).....New York City
BARNES, HARRIET HUNTER (*Household Arts*).....Kalamazoo, Mich.
BARNUM, GERTRUDE ELIZABETH (*Household Arts*).....Jericho Center, Vt.
BARSKE, CARRIE MAY (*Elementary Supervision*).....Bridgeport, Conn.
BATCHELOR, GERTRUDE H. (*Household Arts*).....Vernon, Ind.
BENNETT, EARL WARD (*Mathematics*).....Jamaica, N. Y.
BIEBER, ISADORE (*History*).....Brooklyn, N. Y.
BIGELOW, ALICE (*Elementary Education*).....New York City
BLUM, GUSTAVE (*English*).....New York City
BOGGS, MARY HARVEY (*Physical Education*).....Marlborough, Mass.
BOND, HAZEL MAY (*English*).....Waterloo, Iowa
BOUTON, HENRIETTA PERDEE (*Fine Arts*).....Elizabeth, N. J.
BROKAW, ESTHER (*German*).....Kearny, N. J.
BROOKS, LILLIAN MARY (*History*).....New York City
BROWN, ALICE KATHERINE (*Fine Arts*).....Brooklyn, N. Y.
BROWN, GRACE L. (*Kindergarten Supervision*).....New York City
BROWN, HELEN A. (*Elementary Supervision*).....Roulette, Pa.
BROWN, KATHERINE (*Elementary Supervision*).....Roulette, Pa.
BROWN, MABEL EDNA (*Elementary Supervision*).....Torrington, Conn.
BROWN, NELLIE (MRS.) (*Household Arts*).....Mt. Etna, Ind.
BROWN, SARAH INGERSOLL (*Elementary Supervision*).....Boonton, N. J.
BUERMEYER, META DOROTHEA (*Music*).....Brooklyn, N. Y.
BULTMAN, CHARLOTTE GRACE (*Household Arts*).....Cleveland Hts., Ohio
BUNCE, EDGAR F. (*Elementary Education*).....Lodi, N. J.
BURKE, AGNES (*Kindergarten Supervision*).....New York City
BYERLY, ETHEL (*Household Arts*).....Lancaster, Pa.
CAIN, MABEL FLORENCE (*Biology*).....Knoxville, Tenn.
CAMPBELL, HARRIETT ZELENA (*Elementary Supervision*).....New York City
CAMPBELL, VINCENT ALOYSIUS (*Industrial Arts*).....Brooklyn, N. Y.
CHAPEL, IVY HOWE (*Household Arts*).....Brooklyn, N. Y.
CHILD, MARGUERITE BEATRICE (*English*).....Ridgefield Park, N. J.
CHILTON, ORABEL (*Household Arts*).....Los Angeles, Calif.
CLEAVES, NAOMI ELIZABETH (*Music*).....Princess Bay, N. Y.
CLEMENS, MAYNARD ARTHUR (*English*).....New York City
COE, MIRIAM STORRS (*Household Arts*).....New York City
COFFEE, CATHERINE SADIE (*Household Arts*).....Washington, D. C.
COHEN, DAVID BENJAMIN (*Mathematics*).....Brooklyn, N. Y.
COLLA, CLARA (*French*).....New York City
COMBES, ABBOTT LOW (*Industrial Arts*).....Rockville Centre, N. Y.
CONGDON, MIRA JANE (*Household Arts*).....Stevens Point, Wis.
COOK, FRIEDA HERMINA (*Mathematics*).....Brooklyn, N. Y.
COOLEY, MARGUERITE ELISE (*Household Arts*).....Berkeley, Calif.
COOPER, IRMA JANE (*History*).....Rutherford, N. J.
COX, LEONORA (*Latin*).....Mayflower, Bermuda
COY, GENEVIEVE LENORE (*Educational Psychology*).....Sandwich, Ill.

CROSBY, PRISCILLA (*Kindergarten*).....New York City
CUMMINS, MAY FRANCES (*Household Arts*).....New York City
CUTLER, CATHERINE (*Household Arts*).....Huntington, N. Y.
DAVIS, GUY PRATT (*History*).....Potsdam, N. Y.
DEECKE, WILHEMINA (*German*).....Utica, N. Y.
DICKEY, GRACE LENA (*Household Arts*).....Iroquois, S. D.
DODGE, MILDRED (*English*).....Brooklyn, N. Y.
DONOHUE, JOHN JOSEPH (*English*).....New York City
EBELING, ELSA ANNA (*German*).....Brooklyn, N. Y.
EDGERTON, ALANSON HARRISON (*Industrial Arts*).....Elba, N. Y.
EIFORT, LUCILE M. (*Household Arts*).....Ashland, Ky.
ENGLISH, LILLIE (*Biology*).....Hastings-on-Hudson, N. Y.
EVANS, WILLIAM BACON (*French*).....Moorestown, N. J.
FARRELL, CHARLOTTE DALY (*English*).....Rahway, N. J.
FENNELLY, ELEANOR (*Household Arts*).....Derby, Conn.
FISBECK, FRANCES C. (*Mathematics*).....Ridgefield Park, N. J.
FISK, SARAH ELLEN (*Grammar Grades*).....St. Paul, Minn.
FISKE, FAITH (*Physical Education*).....Huntington, Mass.
FITZGERALD, IRENE R. (*History*).....Clarion, Pa.
FLARIDA, EDNA MAY (*Fine Arts*).....Reed City, Mich.
FRIED, HENRY BENJAMIN (*German*).....New York City
FULTON, JANE (*Kindergarten Supervision*).....Pittsburgh, Pa.
GAFFNEY, FANNY HONORA (*Elementary Supervision*).....Williamson, N. Y.
GAGE, LOUISE ROCKWELL (*Household Arts*).....Saginaw, Mich.
GALVIN, KATHRYN MARGARET (*English*).....North Java, N. Y.
GAYLORD, ALMYRA M. (*Kindergarten Supervision*).....Westfield, Mass.
GELVIN, MARY LEEIDA (*Household Arts*).....Meadville, Pa.
GHERING, EMMA (*Kindergarten Supervision*).....Larimore, N. D.
GIBBS, LAURA GLADYS (*History*).....Fredonia, N. Y.
GILLETTE, ELIZABETH IVES (*Kindergarten Supervision*).....Des Moines, Ia.
GILLILAND, FRANCES KATHERINE (*Household Arts*).....Terrace Park, Ohio
GLOVER, HARRIET MAE (*History*).....Dundee, N. Y.
GODDARD, NAOMI (*Household Arts*).....Kingston, N. Y.
GOLDSMITH, HARRY (*Biology*).....Brooklyn, N. Y.
GOLDSTONE, MARION C. (*English*).....New York City
GOLL, BERTHA CLEMENCE (*English*).....Brooklyn, N. Y.
GORDON, INEZ LOUISE (*Kindergarten Supervision*).....Patchogue, N. Y.
GRANT, EMMA BLAKELY (*Elementary Supervision*).....Springfield, Ill.
GRAY, HELEN IDE (*Household Arts*).....St. Johnsbury, Vt.
GREENE, EVELYN THOMASON (*Household Arts*).....Anniston, Ala.
GREENFIELD, SOL (*Fine Arts*).....New York City
GREENHALGH, LUCY R. (*Household Arts*).....Yonkers, N. Y.
GREGORY, FRANCES MAY (*Household Arts*).....Dayton, Ohio
GYGER, JOHN THOMAS (*Mathematics*).....Kimberton, Pa.
HAHN, MAGDALENE HAHN (*Household Arts*).....Wayne, Neb.
HALE, ALFARETTA MAY (*Household Arts*).....Brooklyn, N. Y.
HALLOCK, ESTELLE MARCY (*English*).....Tunkhannock, Pa.
HARRIS, JAMES EDWARD (*English*).....Brooklyn, N. Y.
HAVILAND, ELSIE (*Household Arts*).....Brooklyn, N. Y.
HERMAN, MARGERY L. (*Household Arts*).....New Kingston, Pa.
HERRMANN, HATTIE (*Mathematics*).....New York City
HESSELBACH, HENRY VALENTINE (*Physical Science*).....New York City
HIESEL, JOSEPHINE (*History*).....White Plains, N. Y.
HOFFMAN, GRACE LOUISE (*Fine Arts*).....New Rochelle, N. Y.
HOFFMANN, THURLOW WEED (*Education*).....Athenia, N. J.
HOWARD, ALICE LOUISE (*Fine Arts*).....Brooklyn, N. Y.

HOWELL, EDITH LOUISE (*Household Arts*).....Elmira, N. Y.
HULL, MARY REDFIELD (*Primary Teaching*).....Durham, Conn.
IRWIN, ETHEL CHADDOCK (*Household Arts*).....Quincy, Ill.
JACOB, LOUISA MARY (*Elementary Supervision*).....Jamaica, N. Y.
JACOBSEN, HELEN AMALIE (*Elementary Education*).....West Hoboken, N. J.
JENKINS, ALIBION URBAN (*English*).....Austin, Pa.
JOHNSON, ANDREW GARFIELD (*Geography*).....Wellesley Hills, Mass.
JOHNSON, GRACE MAY (*Industrial Arts*).....Brooklyn, N. Y.
JOHNSON, HENRIETTA (*Household Arts*).....Brooklyn, N. Y.
JOHNSON, IRENE GRACE (*Mathematics*).....Mt. Vernon, N. Y.
KAHN, SAMUEL (*Latin*).....New York City
KEARNEY, LEO I. (*Elementary Supervision*).....New York City
KENNEDY, FLORENCE AGNES (*Kindergarten*).....Spring Valley, N. Y.
KENNEDY, PAUL ALFRED (*Elementary Education*).....Brooklyn, N. Y.
KERBECK, JERRY LEONARD (*English*).....Long Island City, N. Y.
KESSEL, THERESE (*Fine Arts*).....Brooklyn, N. Y.
KEUNE, EMMA (*German*).....New York City
KINOY, ABRAHAM (*Physical Education*).....Brooklyn, N. Y.
KNAPP, WILLIAM CUSHMAN (*Mathematics*).....York, Pa.
KURZ, PEARL W. (MRS.) (*Household Arts*).....Cleveland, Ohio
LANGENSIEPEN, JOHN FRED (*German*).....New York City
LAUTERBACH, BETTIE (*German*).....New York City
LEE, EDWIN AUGUSTUS (*Industrial Arts*).....Chico, Calif.
LEE, EVELYN (*History*).....Waynesville, N. C.
LEFTWICH, BESSIE CHAMBERS (*Household Arts*).....Staunton, Va.
LEFTWICH, MABEL WHARTON (*Latin*).....Staunton, Va.
LEIST, STELLA GRACE (*Household Arts*).....Norwood, Ohio
LE NORMAND DE BRETTVILLE, MAUD (*Biology*).....Lihue, Kanai, T. H.
LEO, JULIETTE (*English*).....Buffalo, N. Y.
LEVY, DAVID MORDECAI (*German*).....New York City
LONDON, EDITH WOLBARST (*Household Arts*).....New York City
LONG, RAYMOND VICTOR (*Industrial Arts*).....Hagerstown, Md.
LOUGHREN, AMANDA (*Mathematics*).....Elizabeth, N. J.
LURIA, MAX AARON (*French*).....Brooklyn, N. Y.
LYNCH, KATHERINE CECELIA (*Household Arts*).....Naugatuck, Conn.
LYONS, EMANUEL (*Industrial Arts*).....Brooklyn, N. Y.
MCCLURE, HELEN (*Physical Science*).....New York City
MACDOWELL, LUCY SHEPARD (*Household Arts*).....Addison, N. Y.
MCKINNEY, ALICE HANNAH (*Household Arts*).....Fonda, Ia.
MACKAY, ISABEL (*English*).....Addison, N. Y.
MAGAW, GRACE (*Household Arts*).....Franklin, Ind.
MANN, HARRIET EDYTHE (*Elementary Supervision*).....Salina, Kan.
MARTIN, MILDRED GRACE (*Household Arts*).....Oakfield, N. Y.
MEYER, FLORENCE (*Physical Education*).....New York City
MEYER, HELEN (*Elementary Education*).....Yonkers, N. Y.
MILLER, MARY CLARA (*Household Arts*).....Pottstown, Pa.
MOFFETT, MARY LEDGER (*Household Arts*).....Manassas, Va.
MONTGOMERY, EDITH E. (*Physical Education*).....Yonkers, N. Y.
MONTGOMERY, ESTHER (*Primary Teaching*).....Williamsport, Pa.
MOORE, JESSIE ELEANOR (*Kindergarten Supervision*).....Bloomfield, N. J.
MOORE, MADELEINE MAY (*Household Arts*).....Wilkinsburg, Pa.
MORRIS, ALEXANDER (*Industrial Arts*).....New York City
MOSCOWITZ, HERMAN HEINRICH (*German*).....New York City
MOSES, FLORENCE (*Household Arts*).....Mt. Vernon, N. Y.
MUEHLECK, LUCY ELIZABETH (*German*).....Hoboken, N. J.
MUNRO, EVELYN (*Household Arts*).....Jordan, N. Y.

NADLER, CHARLES (*Latin and Mathematics*).....Brooklyn, N. Y.
NEWBOLD, ELIZABETH GEIST (*Religious Education*).....Sendai, Japan
NORMANDEAN, ROSE MARIE (*French*).....Plattsburg, N. Y.
O'BRIEN, MARGARET (*History*).....New York City
O'KEEFE, MARIAN TAYLOR (*English*).....New York City
O'KEEFE, MARY AGNES (*Elementary Supervision*).....Oshkosh, Wis.
ORLIANSKY, JOSEPH B. (*Latin*).....New York City
PAASHAUS, LOUISE F. (*German*).....Elizabeth, N. J.
PAINE, MARION DUNCAN (*Primary Supervision*).....New York City
PEARSON, LEO EARL (*Fine Arts*).....Los Angeles, Calif.
PILLSBURY, MARY ELIZABETH (*Physical Science*).....Catskill, N. Y.
POST, SARA M. (*English*).....Asbury Park, N. J.
PRANKARD, ALICE (*Physical Education*).....Port Washington, N. Y.
PRAY, MARY IRENE (*Physical Education*).....Toledo, Ohio
PRITCHETT, KATHERINE AQUITH (*Household Arts*).....New York City
RAGON, OLLIE ELDORA (MRS.) (*Fine Arts*).....Meriden, Conn.
RAPOPORT, PHILIP (*Industrial Arts*).....Brooklyn, N. Y.
RAUSCHER, ANNA MARION (*Mathematics*).....Vernon, N. Y.
REED, LULA ADELINE (*Elementary Education*).....Ypsilanti, Mich.
RESNIK, JOSEPH (*Mathematics*).....New York City
RICHTER, ANNA C. (*German*).....Bayonne, N. J.
ROBINSON, ETHEL MARIA (*Kindergarten Supervision*).....Orange, N. J.
ROOT, THEODORA SUBMIT (*Household Arts*).....Albany, N. Y.
ROSENDORF, JUANITA SADIE (*Household Arts*).....Corvallis, Ore.
ROTHERMEL, ELIZABETH (*Household Arts*).....Berkeley, Calif.
ROUILLOT, MARIE ELIZABETH (*Household Arts*).....San José, Calif.
ROWE, LUCY JANE (*Household Arts*).....Chicago, Ill.
ROY, MARION SNOWDON (*Household Arts*).....Irvington-on-Hudson, N. Y.
RUNNELS, ROSS OWEN (*Elementary Education*).....Eau Claire, Mich.
SANDERCOCK, HELEN (*Household Arts*).....Lake Ariel, Pa.
SANDFORD, HELEN (*Fine Arts*).....Dansville, N. Y.
SCARBOROUGH, PAUL CLAYPOOLE (*Elementary Education*).....Demarest, N. J.
SCHILLING, ELIZABETH (MRS.) (*Fine Arts*).....Oswego, N. Y.
SCHNEIDER, ELIZABETH T. (*Elementary Education*).....Hoboken, N. J.
SCHOENFELD, ALVINA (*Household Arts*).....New York City
SCHOONOVER, KATHARINE HARDINDORF (*Household Arts*).....Matteawan, N. Y.
SCOTT, CLARA AGNES (*Latin*).....Marietta, Ohio
SEALS, LAURA SELDON (*Mathematics*).....Cedar Falls, Iowa
SELDEN, ELIZABETH (*Household Arts*).....New York City
SHANNON, ANNA M. (*Elementary Supervision*).....Hollis, N. Y.
SHEPPARD, EMMA E. (*Fine Arts*).....Hackensack, N. J.
SHERIDAN, MARION CAMPBELL (*English*).....New Haven, Conn.
SHROPSHIRE, OLIVE (*Household Arts*).....San Antonio, Texas
SKINNER, JENNIE LOIS (*Geography*).....New York City
SMALLHEISER, ALBERT LEE (*History*).....Brooklyn, N. Y.
SMART, RUTH (*Household Arts*).....Winchester, Mass.
SMITH, CORA DELL (*Household Arts*).....Passaic, N. J.
SMITH, ELSIE WALDRON (*Primary Teaching*).....Lee, Mass.
SMITH, JOSEPHINE ALICE (*English*).....New York City
SNELL, HELEN BEATRICE (*Household Arts*).....Mt. Vernon, N. Y.
SNOW, ROSE (*Physical Education*).....New York City
SNOWDEN, FLORA BELLE (*Household Arts*).....New York City
SOKOHL, JACOB NATHANIEL (*Latin*).....New York City
SPALDING, RUTH AURELIA (*Household Arts*).....Towanda, Pa.
SPRINGER, IONE (MRS.) (*History*).....Rockville Center, N. Y.
STAUFFER, FRANCES (*Fine Arts*).....Plainfield, N. J.

STEPHENSON, MABEL LEIGH (*Household Arts*).....Port Deposit, Md.
STINSON, SUSAN W. (*Elementary Supervision*).....Surry, Me.
STRUTZ, ROSE (*Household Arts*).....Rolling Prairie, Ind.
SURUT, ANNA (*Household Arts*).....New York City
SUTHERLAND, LAURA EPHALIA (*Household Arts*).....Greenwich, Conn.
SUTTON, CLARA NETTIE (*Household Arts*).....Bloomfield, N. J.
SWEET, MARGARET (*Household Arts*).....Yonkers, N. Y.
TALBOT, GERTRUDE K. (*Household Arts*).....New York City
TERRELL, ETHEL FLORENCE (*Fine Arts*).....Brooklyn, N. Y.
TOLER, MAMIE (*Household Arts*).....Goldsboro, N. C.
TOLLERTON, EDITH RAY (*Elementary Education*).....Glen Cove, N. Y.
TREMPER, CLARA LOUISE (*Mathematics*).....Rhinebeck, N. Y.
UTLEY, GRACE HARRIET (*Educational Psychology*).....Knobnoster, Mo.
VAIL, EDNA (*History*).....Hamden, N. Y.
VANSTRUM, JESSIE ISABEL (*Household Arts*).....Minneapolis, Minn.
VAN SYCKLE, GRACE LUCILLE (*Music*).....Hackettstown, N. J.
VOLK, FRANK (*German*).....New York City
WALLS, CHARLOTTE (*Physical Education*).....Lake Mills, Wis.
WALTHER, THEDA H. (*Fine Arts*).....New York City
WATSON, GRACE (*Household Arts*).....Mooretown, Ontario, Can.
WEBSTER, GRACE TAYLOR (*Household Arts*).....New York City
WEED, BERTHA ELAINE (*Mathematics*).....Wolcott, N. Y.
WEHLE, HANNA (*German*).....New York City
WERTS, MARY EVELYN (*Household Arts*).....Jersey City, N. J.
WESTERVELT, ALICE EDDY (*Kindergarten Supervision*).....New York City
WESTFALL, MARTHA (*Household Arts*).....Delaware, Ohio
WESTON, FLORENCE HELEN (*English*).....Port Henry, N. Y.
WHALEN, EDWIN ANTHONY (*History*).....New York City
WICKS, HELEN ETHEL (*Household Arts*).....Brooklyn, N. Y.
WILD, THERESA FLORA (*Music*).....Cedar Falls, Iowa
WILDRICK, CHARLES DAVID (*Mathematics*).....Moosic, Pa.
WILLIAMS, EDGAR JOHN (*English*).....Wilkes-Barre, Pa.
WILLYOUNG, MILDRED M. (*Household Arts*).....Mt. Vernon, N. Y.
WISELTIER, JOSEPH (*Fine Arts*).....New York City
WOODRUFF, MARY ST. CLAIR (*Educational Psychology*).....Anniston, Ala.
WOODWARD, MAY BELLE (*Kindergarten Supervision*).....Mishawaka, Ind.
WRAY, MARGARET SALOME (*Elementary Supervision*).....Byron, Ill.
WRIGLEY, MARGARETTA (*Music*).....Macon, Ga.
YACKEY, L. MILLICENT (*Household Arts*).....St. Louis, Mo.
ZIMMERMAN, ROY RAYMOND (*History*).....Ringtown, Pa.

Candidates for Special Diploma or Certificate

SECOND YEAR

ADAMS, MARIAN KYLE (*Physical Education*).....Webster Groves, Mo.
ALLEN, JOSEPHINE (*Household Arts*).....Passaic, N. J.
ALLGEIER, AMELIA WALBURGA (*Household Arts*).....Elmira, N. Y.
ARMSTRONG, CHARLOTTE MORGAN (*Primary Supervision*).....Nashville, Tenn.
ARTHUR, LENNIE B. (*Household Arts*).....Liverpool, Nova Scotia
BARROWS, FRANCES WEED (*Household Arts*).....Columbus, Ohio
BASON, CECILIA HATRICK (*Kindergarten*).....Burlington, N. C.
BECKER, ALBERT ALEXANDER (*German*).....Brooklyn, N. Y.
BELLOWS, MARY LAWTON (*Household Arts*).....Yonkers, N. Y.
BERG, IDA BLANCHE (*Household Arts*).....Missoula, Mont.
BETTS, AGNES FARRAR (*Household Arts*).....Elmira, N. Y.
BEVERIDGE, HELEN SARA (*Household Arts*).....Paterson, N. J.

BLODGETT, ELIZABETH (*Elementary Supervision*).....New York City
BLUMGURTEN, SARAH LILLIAN (*Latin and German*).....Bayonne, N. J.
BOYER, HELEN DOROTHY (*Fine Arts*).....Nashua, Iowa
BRENNEMAN, LEO LESLIE (*Elementary Supervision*).....Pottstown, Pa.
BRICKNER, BARNETT (*Elementary Supervision*).....New York City
BROOKES, DAISY (*Household Arts*).....Winston-Salem, N. C.
BROWN, EDNA JANE (*Household Arts*).....New Haven, Conn.
BROWN, JUANITA (*Household Arts*).....White Plains, N. Y.
BUCKLEY, MARY MARGARET (*Household Arts*).....South Bend, Ind.
CAPRON, EDITH LITTLEFIELD (*Household Arts*).....New York City
CARNEY, SARAH MILDRED (*Household Arts*).....Hamilton, Md.
CLARK, MARY HOWARTH (*Elementary Education*).....Westfield, N. J.
CLARK, WILLIAM EBERT (*Music*).....Richmond Hill, N. Y.
COCHRAN, MARGARET STUDDIFORD (*Household Arts*).....Lambertville, N. J.
COLBY, GERTRUDE KLINE (*Physical Education*).....Philadelphia, Pa.
CONGER, THEODORA (*Music*).....Newark, N. J.
CONNELL, MINA (*Physical Education*).....Morristown, N. Y.
COOK, THERESA MABEL (*Industrial Arts*).....Northampton, Mass.
CORNELL, LOUISE ELIZABETH (*Fine Arts*).....Greenwich, N. Y.
CORWIN, MARGARET ELIZABETH (*Fine Arts*).....Pasadena, Calif.
CRANOR, KATHERINE TAYLOR (*Household Arts*).....N. Wilkesboro, N. C.
CRISTY, ELIZABETH (*Industrial Arts*).....New York City
CROSBY, EVELYN (*Kindergarten*).....New York City
CRUDEN, GERTRUDE (*Household Arts*).....Brooklyn, N. Y.
CURTIS, CLARA LOUISE KELLOG (*Household Arts*).....So. Bethlehem, Pa.
DAHLGREN, LILLIE HENRIETTA (*Household Arts*).....Oleander, Calif.
DAMPMAN, SARA BUNN (*Household Arts*).....Point Pleasant, N. J.
DANA, IRENE BROCKWAY (*Household Arts*).....Muskegon, Mich.
DAVENPORT, FLORENCE AGNES (*Physical Education*).....Sturgis, S. D.
DAVIS, HARRIET ELLA (*Fine Arts*).....Waterloo, Iowa
DOTY, FRANCES (*Household Arts*).....Detroit, Mich.
DREVENSTEDT, AMY (*Fine Arts*).....Buffalo, N. Y.
DUDLEY, ANNE JOSEPHINE (*Household Arts*).....Marlboro, Mass.
DUDLEY, MARGUERITE ALDRICH (*Household Arts*).....Ticonderoga, N.Y.
EDWARDS, FAITH M. (*Fine Arts*).....Washington, D. C.
EMERSON, FAYE (*Physical Education*).....East Orange, N. J.
EVANS, IDA (*Elementary Supervision*).....Coffeyville, Kan.
EVANS, MARION ELIZABETH (*Household Arts*).....Gaylordsville, Conn.
FARMER, PHOEBE ELIZABETH (*Household Arts*).....Athens, Pa.
FARMER, RUTH LUCILE (*Household Arts*).....Gouverneur, N. Y.
FEELEY, CLARA (*Household Arts*).....Rochester, N. Y.
FERRIS, EVELYN MARGUERITE (*Household Arts*).....Hudson Falls, N. Y.
FLEMING, ISABEL MILNE (*Household Arts*).....Carnegie, Pa.
FOX, VIRGINIA LLOYD (*Fine Arts*).....Plainfield, N. J.
FRANKLIN, VETA (*Household Arts*).....Lawton, Okla.
FREEMAN, HELEN WHITNEY (*Household Arts*).....Glen Ridge, N. J.
FREER, FLORENCE HELEN (*Household Arts*).....Gilbertsville, N. Y.
GADDIS, CAROLINE JOSEPHINE (*Elementary Supervision*).....New York City
GAINSBORG, M. MARIA PAZ (*Music*).....New York City
GARRETT, CLARA LOUISE (*Fine Arts*).....Ithaca, N. Y.
GEARY, HELEN (*Kindergarten*).....Lock Haven, Pa.
GEER, ELENE ELLSWORTH (*Household Arts*).....Windsor, Conn.
GILBERT, KATHARINE (*Physical Education*).....Burlington, Iowa
GLASS, ELIZABETH IRENE (*Music*).....E. Stroudsburg, Pa.
GREENLAW, VERA (*Household Arts*).....Flagstaff, Ariz.
GREENWOOD, MARGARET (*Elementary Supervision*).....Rochester, N. Y.

HAHN, CLARA ANNA (*Household Arts*).....Louisville, Ky.
HALLOCK, KATHARINE ROSE (*Household Arts*).....Jersey City, N. J.
HAMMOND, JOSEPHINE (*Elementary Supervision*).....Boston, Mass.
HANDLEY, MARIE-LOUISE (*Fine Arts*).....New York City
HANSEN, MABEL CHARLOTTE (*Kindergarten*).....Weehawken Hts., N. J.
HARRIS, BLANCHE RONNE (*Household Arts*).....Aylesford, Nova Scotia, Canada
HART, CONSTANCE CORINNE (*Household Arts*).....New York City
HEMION, RUSSELL (*Industrial Arts*).....Paterson, N. J.
HERBST, MARGARET WILHELMINA (*Music*).....Mt. Vernon, N. Y.
HEUSER, MIRIAM ANNA (*Physical Education*).....Dunkirk, N. Y.
HOFFLIN, ELIZABETH (*Household Arts*).....Hopkins, Minn.
HONEY, LAURA GOUGH (*Household Arts*).....New York City
HOUSTON, FLORENCE MARGUERITE (*Household Arts*).....Goshen, N. Y.
HOWARTH, MARION LAW (*Household Arts*).....Scranton, Pa.
HUFF, MALCOLM (*Fine Arts*).....Abingdon, Ill..
JACKSON, ANNA CARLYLE (*Physical Education*).....Glen Ridge, N. J.
JESSUP, HELEN HARRIS (*Household Arts*).....Troy, N. Y.
JOHNSON, JULIA MAY (*Household Arts*).....Albert Lea, Minn.
JOHNSON, LILAH IRENE (*Music*).....Albert Lea, Minn.
JONES, ADA EVELYN (*Primary Supervision*).....Auburn, N. Y.
JONES, EMMA BRONSON (*Household Arts*).....Oshkosh, Wis.
KAUFHOLD, ROSE MARION (*Household Arts*).....Scranton, Pa.
KELLEY, FLORENCE AGNES (*Household Arts*).....Jersey City, N. J.
KENNEDY, LILLIAN (*Household Arts*).....Hornell, N. Y.
KETCHAM, ELEANOR (*Household Arts*).....Indianapolis, Ind.
KNIGHT, GRACE (*Household Arts*).....New York City
KYD, SUSAN ELIZABETH (*Music*).....Green Ridge, Mo.
LAITEM, LOUISE (*Household Arts*).....Hartford City, Ind.
LAWRENCE, ETHEL PRIMROSE (*Kindergarten*).....South Portsmouth, R. I.
LEE, AMY GRACE (*Household Arts*).....New York City
LEWIS, SARAH LOUISE (*Household Arts*).....Pomona, Calif.
LIPPINCOTT, ROSE HARRIET (*Household Arts*).....Los Angeles, Calif.
LITTELL, ELIZABETH DUVAL (*Physical Science*).....New York City
LOGAN, LUCIE LORING (*Kindergarten*).....Scranton, Pa.
LOUIS, MARIE (*Household Arts*).....New York City
LOW, HELEN (*Physical Education*).....Mt. Vernon, N. Y.
LYNN, GERTRUDE (*Household Arts*).....Winfield, Kan.
MCCLURE, ELLA GREENE (*Household Arts*).....Marietta, Ohio
MCCLURE, EMILY (*Physical Education*).....Brooklyn, N. Y.
MCCLUSKEY, WILLIAM (*Elementary Supervision*).....Hilo, T. H.
MCCORMICK, ELIZABETH T. (*Fine Arts*).....Hartwood, N. Y.
MCDONALD, LAURA LOUISE (*Household Arts*).....Jacksonville, Ill.
MCKEAN, LULU S. (*Household Arts*).....Beaver Falls, Pa.
MCLAUGHLIN, GENEVIEVE MIRIAM (*Music*).....New York City
MACLAGAN, FLORENCE (*Household Arts*).....Passaic, N. J.
MALONE, MAY AGNES (*Physical Education*).....New York City
MARCH, MARY BLANCHE (*Physical Education*).....Spring City, Pa.
MARCY, EMILY (*Household Arts*).....Wilkes-Barre, Pa.
MARTIN, KATHLEEN ISABEL (*Household Arts*).....Perth Amboy, N. J.
MATZNER, PAULA AUGUSTA (*Physical Education*).....New York City
MAYER, VIOLA (*Music*).....New York City
MILLER, ANNA MARY (*Music*).....Poughkeepsie, N. Y.
MILLS, MARIAN EMILY (*Household Arts*).....Port Byron, N. Y.
MITCHELL, BERTHA MAY (*Fine Arts*).....Monticello, N. Y.
MONCURE, ELIZABETH CABELL (*Fine Arts*).....Ruther Glen, Va.
MOORE, CECILIE MARIE GEORGY (*Fine Arts*).....New York City

MOORE, NORMA ANTOINETTE (*Kindergarten*).....Bloomfield, N. J.
MURPHY, ELLEN JANE (*Elementary Supervision*).....Bamberg, S. C.
NEAGLE, GRACE MAY (*Household Arts*).....Lubec, Me.
O'DONNELL, AGNES MARIE (*Fine Arts*).....Newark, N. J.
OGDEN, HELEN (*Physical Education*).....Orange, N. J.
ORR, FLORA (*Household Arts*).....Akron, Ohio
PARKER, MARIE ANTOINETTE (*Household Arts*).....Goshen, N. Y.
PARLETT, MATILDA ELIZABETH (*Household Arts*).....Norfolk, Va.
PARRAMORE, JULIETTE BRYAN FISHER (*Household Arts*).....Accomac, Va.
PATTEN, MARY ISABEL (*Physical Education*).....Binghamton, N. Y.
PEARSON, MARY ETHEL (MRS.) (*Music*).....New York City
PETERS, ALONZO G. (*Industrial Arts*).....Elizabeth, N. J.
PFAU, AUGUSTA LOUISE (*Household Arts*).....Hamilton, Ohio
PHILLIPS, GEORGIANA (*Household Arts*).....Greenport, N. Y.
PIERCE, MADELINE (*Household Arts*).....Westfield, N. J.
POPE, AMY ELIZABETH (*Household Arts*).....New York City
PORTER, EVELYN (*Household Arts*).....Louisville, Ky.
REID, ELIZA PRISCILLA (*Household Arts*).....Wallaceburg, Ontario, Canada
ROWE, EMMA L. H. (MRS.) (*Household Arts*).....New York City
ROWELL, DOROTHY CHASE (*Industrial Arts*).....Brooklyn, N. Y.
RUSSELL, MARION FITCH (*Household Arts*).....Kalamazoo, Mich.
SAVILLE, FANNIE EUGÉNIE (*Household Arts*).....Mineville, N. Y.
SCHROEDER, MATILDA (*Household Arts*).....New York City
SEEGER, MARY LOUISE (*Kindergarten Supervision*).....Michigan City, Ind.
SEYMOUR, RUTH (*Household Arts*).....New York City
SHACK, EDNA SARA (*Household Arts*).....New York City
SHELDON, MARY AMELIA (*Fine Arts*).....New York City
SHUMAN, ANNA MULLIN (*Fine Arts*).....Pittsburgh, Pa.
SIEPERT, ALBERT F. (*Industrial Arts*).....Montclair, N. J.
SILL, MARY ELIZABETH (*Household Arts*).....Pittsburgh, Pa.
SIMAR, EVA THÉRÈSE (*Household Arts*).....New York City
SIMPSON, RUTH VIRGINIA (*Household Arts*).....LeRoy, Ill.
SMITH, HELEN MARGUERITE (*Household Arts*).....Nyack, N. Y.
SOUNDSTROM, MARGARET (MRS.) (*Household Arts*).....New York City
STEVENS, ELIZABETH MARY (*Household Arts*).....Eau Claire, Wis.
STOCKTON, HELEN MARIE (*Fine Arts*).....Englewood, N. J.
STRINGER, ELIZABETH (*Household Arts*).....New York City
STUCK, SARAH LOUISE (*Elementary Supervision*).....South Bend, Ind.
SULLIVAN, JOHN JOSEPH (*Elementary Education*).....New York City
TRACY, SUZANNE (*Household Arts*).....Minneapolis, Minn.
TUPPER, MARTHA (*Household Arts*).....Glens Falls, N. Y.
TURNER, RUTH MITCHELL (*Kindergarten*).....Hampton, Va.
VAN DEUSEN, MYRTIE CLARK (*Household Arts*).....Great Barrington, Mass.
VAUGHAN, ROY BENJAMIN (*Industrial Arts*).....Sheffield Mills, Nova Scotia
VON LENGERKE, IDA (*Household Arts*).....Orange, N. J.
WAGSTAFF, MARION B. (*Household Arts*).....Cranford, N. J.
WALKER, LULA VIRGINIA (*Household Arts*).....Baltimore, Md.
WALTON, JESSIE STEELE (*Household Arts*).....Kalamazoo, Mich.
WESTERVELT, MARTHA (*Physical Education*).....Tenafly, N. J.
WHEELER, DOROTHY WINIFRED (*Physical Education*).....Woodcliff-on-Hudson, N. J.
WHITE, BESSIE SCOTT (*Household Arts*).....Boston, Mass.
WILLIAMS, LETITIA EVELYN (*Fine Arts*).....New York City
WILSON, PRISCILLA ORR (*Physical Education*).....Binghamton, N. Y.
WINSLOW, EMMA ANNIE (*Household Arts*).....New York City
WOOD, ETHEL LOUISE (*Household Arts*).....Southampton, N. Y.
WOOD, MARJORIE GARY (MRS.) (*Household Arts*).....Thetford, Vt.

FIRST YEAR

ADLER, RUTH (*Kindergarten*).....New York City
ALLEN, ELIZABETH R. (*Household Arts*).....Fredericton, N. B., Canada
ALLEN, NETA (*Kindergarten*).....New York City
ANGELL, RENA MAY (*Fine Arts*).....Belding, Mich.
BABCOCK, EDITH FLORENCE (*Fine Arts*).....New York City
BALDWIN, BESSIE HAYES (*Household Arts*).....Wichita, Kan.
BALDWIN, MAUDE ELIZABETH (*Fine Arts*).....Niles, Mich.
BALL, DOROTHY WASHBURN (*Household Arts*).....East Orange, N. J.
BARRETT, GEORGIA MAY (*Elementary Education*).....Athens, Ga.
BEAR, JENNIE REES (*Household Arts*).....Baton Rouge, La.
BEAR, KATE LUTIE (*Household Arts*).....New York City
BELL, JESSIE LILLIAN (MRS.) (*Fine Arts*).....New York City
BERRY, ADELAIDE B. (*Household Arts*).....New Rochelle, N. Y.
BEVAN, ALICE ELIZABETH (*Fine Arts*).....Port Chester, N. Y.
BEYER, LILLIAN FRIEDA (*Household Arts*).....New York City
BIRKHOLZ, GRACE BEATRICE (*Household Arts*).....Orange, N. J.
BOAS, BELLE (*Fine Arts*).....Providence, R. I.
BOTTÉ, RICHARD ANDREW (*Industrial Arts*).....Bayonne, N. J.
BOWDEN, MURIEL AMANDA (*Elementary Education*).....Yonkers, N. Y.
BRAYTON, JULIETTE (*Fine Arts*).....New York City
BRIDGE, HELEN LILLIAN (*Household Arts*).....Franklin, Ohio
BROWN, KATHERINE (*Fine Arts*).....Indianapolis, Ind.
BROWN, M. RUTH (*Kindergarten*).....South Orange, N. J.
BUCHANAN, MILDRED CLAIBORNE (*Fine Arts*).....Louisville, Ky.
BUCK, LEROY LANGDON (*Music*).....Plattsburg, N. Y.
BURKE, ANNIE FRANCES (*Household Arts*).....Cleveland, Ohio
BURKHART, STELLA (*Household Arts*).....Kansas City, Kan.
BUSCHMANN, ALMA (*Household Arts*).....Indianapolis, Ind.
CARPENTER, LAURA (*Elementary Education*).....New York City
CARTER, EMMA DOWNS (*Household Arts*).....Plainfield, N. J.
CHAMBERLIN, ALICE A. (*Household Arts*).....Webster Groves, Mo.
CHAMBERLAIN, NINA LENITA (*Household Arts*).....Sparkill, N. Y.
CHANDLER, GERTRUDE E. (*Physical Education*).....New York City
COLE, MARION (*Household Arts*).....Cambridge, Mass.
COLEMAN, CONSTANCE LAMB (*Kindergarten*).....Mt. Vernon, N. Y.
CONDON, KATHLEEN FRANCES (*Fine Arts*).....New York City
COOK, MARGARET MELINDA (*Kindergarten Supervision*).....Hiroshima, Japan
COOKE, MARGARET MONTAGUE (*Music*).....Honolulu, T. H.
COOPER, ISABEL (*Household Arts*).....New York City
CORWIN, F. MARIE (*Household Arts*).....E. Cleveland, Ohio
COUSLEY, ETHEL TOWNSEND (MRS.) (*Household Arts*).....Bolivar, Mo.
COVVEY, ALBERT KINGABY (*Industrial Arts*).....Philadelphia, Pa.
COWLIN, GERTRUDE (*Household Arts*).....Bristol, England
CRANE, ADELAIDE EDITH (*Household Arts*).....Mt. Sterling, Ill.
CRANE, MABEL ROE (*Physical Education*).....Jamaica, N. Y.
DE LUCE, OLIVE S. (*Fine Arts*).....New York City
DEMAREST, BESSIE (*Household Arts*).....Spring Valley, N. Y.
DEMAREST, THEODORA FRELINGHUYSEN (*Fine Arts*).....Passaic, N. J.
DOHERTY, MARY (*Elementary Education*).....Ovid, N. Y.
DONNOCKER, DELLA MAY (*Household Arts*).....Northport, N. Y.
DOTY, GLADYS (*Household Arts*).....Wyoming, N. J.
DUNN, HELEN ADELIA (*Household Arts*).....Passaic, N. J.
EILBECK, FRANCES (*Household Arts*).....New Castle, Ont., Canada
EVANS, EVA STOKEY (MRS.) (*Household Arts*).....New York City

EVANS, ISABEL LOUNT (*Household Arts*) ..... Niagara-on-the-Lake, Canada
EVANS, MAY ELSIE (*Household Arts*) ..... Wilkes-Barre, Pa.
EVERLY, HAROLD ERNEST (*Industrial Arts*) ..... Vandalia, Mo.
FERRIE, MARGARET (*Kindergarten*) ..... Lead, S. D.
FEWELL, LOUISE (*Household Arts*) ..... Rock Hill, S. C.
FIELD, HELEN ATWATER (*Kindergarten Supervision*) ..... New York City
FORBES, INA BELLE (*Household Arts*) ..... Northampton, Mass.
FORBES, RUTH CARVER (*Primary Supervision*) ..... Torrington, Conn.
FRANK, ENID HENRIETTE (*Kindergarten*) ..... New York City
GARRISON, MYRTLE (*Elementary Education*) ..... Philadelphia, Pa.
GARVEY, LOUISE (*Household Arts*) ..... New York City
GIBBONS, MARTHA ELEANOR (*Fine Arts*) ..... Hudson Falls, N. Y.
GOMPRECHT, EVELYN (*Household Arts*) ..... New York City
GREENE, MARIE HOLT (*Music*) ..... Anniston, Ala.
HALLOCK, NATALIE A. (*Household Arts*) ..... New York City
HARDER, LAURA MARY (*Kindergarten*) ..... Philmont, N. Y.
HART, FRANCIS BIGELOW (*Kindergarten Supervision*) ..... Ballston Spa, N. Y.
HENLEY, FAYE (*Primary Supervision*) ..... Wabash, Ind.
HOLT, EDITH POLLITT (*Physical Education*) ..... Grand Rapids, Mich.
HORNER, EDNA E. (*Household Arts*) ..... Burkeville, Va.
HORWITZ, ADELE WINKLER (*Household Arts*) ..... New York City
HUSSAKOF, EVA (*Physical Education*) ..... New York City
JACKSON, ELIZABETH MCCULLOCH (*Industrial Arts*) ..... Tuscumbia, Ala.
JELLERSON, MARJORIE DWIGHT (*Physical Education*) ..... Montclair, N. J.
JOHNSON, KATHLEEN (*Household Arts*) ..... Marcy, N. Y.
JOHNSON, LOUISE (*Music*) ..... Spokane, Wash.
JOHNSON, RUTH ALLYNE (*Household Arts*) ..... St. Paul, Minn.
JOHNSTON, EDITH (*Elementary Supervision*) ..... Anniston, Ala.
JOHNSTON, HELEN (*Household Arts*) ..... Montclair, N. J.
JONAS, ESTHER HEINE (*Household Arts*) ..... Baltimore, Md.
JONES, HELEN (*Physical Education*) ..... Philadelphia, Pa.
JONES, MARY EDITH (*Primary Supervision*) ..... Kalamazoo, Mich.
JONES, MARY ELIZABETH (*Primary Supervision*) ..... Luverne, Minn.
KAY, HELEN BOAK (*Household Arts*) ..... New York City
KENNEDY, MARY ALACOQUE (*Household Arts*) ..... New York City
KETCHAM, MARGARET ELIZABETH (*Household Arts*) ..... Passaic, N. J.
KIRK, DOROTHY WOODRUFF (*Household Arts*) ..... Mt. Vernon, N. Y.
KLUGE, ANITA CATHERINE (*Fine Arts*) ..... Elmira, N. Y.
KRANZ, SIDNEY (*Physical Education*) ..... New York City
KÜRLANDER, ALICE ANNA (*Physical Education*) ..... Brighton Beach, N. Y.
LANGFELD, CLAUDIA (*Household Arts*) ..... Wilkes-Barre, Pa.
LATHROP, DOROTHY PULIS (*Fine Arts*) ..... Albany, N. Y.
LEE, WILLA MARIE (*Household Arts*) ..... Sayler Park, Ohio
LEEPER, ALINE PALMER (*Physical Education*) ..... Rutherford, N. J.
LE LACHEUR, BESSIE SERENA (*Household Arts*) ..... Allston, Mass.
LEMCKE, HERBERT FRANKLIN (*Fine Arts*) ..... New York City
LIVINGSTON, CAROLINE (*Fine Arts*) ..... La Crosse, Wis.
LUCCOCK, NATALIE (*Primary Supervision*) ..... Kansas City, Mo.
LYALL, OLIVE CHARLOTTE (*Household Arts*) ..... New York City
LYMAN, FLORENCE (*Household Arts*) ..... Augusta, Me.
LYMAN, LOIS (*Household Arts*) ..... Manasquan, N. J.
LYON, AUGUSTA THORN (*Household Arts*) ..... New York City
MCCOLLISTER, ALICE (*Household Arts*) ..... Holyoke, Mass.
MCCORMACK, JANE RUTLEDGE (*Household Arts*) ..... New York City
MCCORMICK, ELIZABETH KATHERINE (*Physical Education*) ..... Monticello, N. Y.
MCDUFFIE, PEARLE (*Industrial Arts*) ..... Marion, S. C.

MacGuidwin, Anna (*Music*)....Lima, N. Y.
McQueen, Katherine (*Fine Arts*)....Fayetteville, N. C.
Marvin, Eleanor Sands (*Fine Arts*)....New York City
Mathews, Mary E. (*Grammar Grades*)....New York City
Mead, Wilhemina (*Fine Arts*)....Greeley, Colo.
Meeker, Charles Henry (*Industrial Arts*)....New York City
Melvin, Helen Marguerite (*Elementary Education*)....Forestville, N. Y.
Menhennick, Carl Jerome (*Industrial Arts*)....Grand Rapids, Mich.
Metz, Lillian Elizabeth (*Physical Education*)....East Falls Church, Va.
Miller, Mildred Mayes (*Kindergarten Supervision*)....Sumner, Mo.
Mitchell, Lucille Morgan (Mrs.) (*Music*)....New York City
Moss, Louise Beach (*Household Arts*)....Cheshire, Conn.
Nicholson, Ethel Emma (*Industrial Arts*)....Marlette, Mich.
Osterholm, C. Adolph (*Household Arts*)....Brooklyn, N. Y.
Panuska, Frank Charles (*Industrial Arts*)....New York City
Patrick, Sara Lyman (*Industrial Arts*)....Chicopee, Mass.
Patteson, Louise (*Household Arts*)....Penn Yan, N. Y.
Pelton, Clair Walker (*Elementary Supervision*)....Paterson, N. J.
Pickett, Ethel Blanche (*Household Arts*)....Carthage, Mo.
Pinney, Mabel Mellissa (*Fine Arts*)....Arlington, N. J.
Pitfield, Florence Beatrice (*Fine Arts*)....Brooklyn, N. Y.
Pontz, Bess (*Household Arts*)....Lancaster, Pa.
Porter, Helen Barbara (*Household Arts*)....Montclair, N. J.
Pratt, Margaret Akerman (*Household Arts*)....Orange, N. J.
Preston, Mabel Peck (*Household Arts*)....New York City
Queal, Lucy Mary (*Household Arts*)....Kansas City, Mo.
Raynor, Bessie Eleanor (*Household Arts*)....Caldwell, N. J.
Raynor, Mary Austin (Mrs.) (*Household Arts*)....Toledo, Ohio
Rhodes, Lily Bell (*Fine Arts*)....Bergerville, Quebec, Canada
Richards, Marguerite (*Household Arts*)....New London, Conn.
Riddle, Carolyn Capner (*Household Arts*)....Asbury, N. J.
Rodgers, Carolyn Isabelle (*Primary Supervision*)....Hartsville, Tenn.
Rodick, Eugenia (*Household Arts*)....Bar Harbor, Me.
Rogers, Rachel W. (*Household Arts*)....Paterson, N. J.
Romaine, Lily Augusta (*Music*)....Peekskill, N. Y.
Rosendale, Christina (*Elementary Supervision*)....Cawker City, Kan.
Runkel, Lura Emily (*Household Arts*)....Superior, Wis.
Schick, Morris (*Physical Education*)....Brooklyn, N. Y.
Scholes, Beatrice (*Physical Education*)....Brooklyn, N. Y.
Scott, Jessie May (*Household Arts*)....Dravosburg, Pa.
Sexton, Ethel (*Elementary Education*)....New York City
Siegel, Fred (*Industrial Arts*)....Tottenville, N. Y.
Simpson, Cornelia (*Household Arts*)....Huntsville, Ala.
Smeaton, Edna Marian (*Household Arts*)....Mt. Vernon, N. Y.
Smith, Flora Elizabeth (*Fine Arts*)....Havana, Cuba
Smith, Laura Emily (*Household Arts*)....Louisville, Ky.
Smith, S. Jessie (*Elementary Supervision*)....Rochester, N. Y.
Sterling, Lois Noble (*Industrial Arts*)....Virginia Beach, Va.
Storer, Helen Maye (*Industrial Arts*)....Susquehanna, Pa.
Strassburger, Helen (*Household Arts*)....East Orange, N. J.
Strathy, Marguerite Frances (*Household Arts*)....Montreal, Canada
Stringer, Lucinda Nelson (*Household Arts*)....Philadelphia, Pa.
Strong, Helen Thomas (*Primary Teaching*)....Rock Hall, Md.
Tendler, Alexander Romanoff (*Music*)....New York City
Thorn, Alice Green (*Kindergarten Supervision*)....Trenton, N. J.
Tibbits, Ruth Wiley (*Household Arts*)....Athens, Ga.

TILTON, CHARLOTTE SEWELL (*Fine Arts*).....Mt. Vernon, N. Y.
TRACY, HELEN RUTH (*Physical Education*).....Shelburne, Vt.
TROTTER, CLARA AUGUSTA (*Elementary Supervision*).....Springfield, Ill.
TUITE, ANNA KATHLEEN (*Household Arts*).....New York City
UPTON, ESTHER L. (*Household Arts*).....Flint, Mich.
VAN ARSDALE, FANNIE A. (*Household Arts*).....Mt. Vernon, N. Y.
VINE, EDITH (*Household Arts*).....New York City
WAHLQUIST, HJALMAR (*Fine Arts*).....Philadelphia, Pa.
WALES, NELLE E. (*Household Arts*).....Toledo, Ohio
WARNER, SUSAN EDESSA (*Household Arts*).....Farmington, Mich.
WELLS, BERTHA VOGT (*Elementary Education*).....Holly Hill, S. C.
WELLS, MAE LAVINIA (*Household Arts*).....Ashburnham, Mass.
WELLWOOD, BEATRICE (*Household Arts*).....New York City
WENDOVER, CHARLOTTE MARION (*Household Arts*).....Tenafly, N. J.
WHITCOMB, EDITH (*Primary Supervision*).....Grand Rapids, Mich.
WHITE, GLADYS MACCLEERIE (*Household Arts*).....South Glens Falls, N. Y.
WHITFIELD, GEORGE MCCABE (*School Administration*).....Seattle, Wash.
WHITEFORD, MARGARET (Mrs.) (*Household Arts*).....New York City
WHYTE, ADA MABEL (*Household Arts*).....Oneonta, N. Y.
WILLEY, EMILY (*Industrial Arts*).....Cincinnati, Ohio
WINN, BERTHA (*Elementary Supervision*).....Kalamazoo, Mich.
WOOLEY, ROBERTA MARIE (*Kindergarten Supervision*).....Philadelphia, Pa.
YOUNG, MARY MCKEEN (*Household Arts*).....Easton, Pa.
ZOFFMAN, CHRISTINE (*Household Arts*).....San José, Calif.

UNCLASSIFIED UNDERGRADUATES

ANDREWS, WALLACE JOHN.....Summit, N. J.
BEARD, FREDERICA.....Oak Park, Ill.
BILDERBACK, WILLIS E.....Atlantic Highlands, N. J.
BRADLEY, MINNIE EMILY.....Seattle, Wash.
BURGHARDT, HENRY DWIGHT.....Brooklyn, N. Y.
CAVANAUGH, THERESE.....New Haven, Conn.
CHATFIELD, STELLA.....New York City
COEN, VIOLET STANLEY.....New York City
COLLINGWOOD, EMILIE.....Holyoke, Mass.
DAUBON, ANGELES.....Santurce, P. R.
DAVIS, LIDA LEOTA.....Bluefield, W. Va.
DEZELLER, MABEL CORINNE.....New York City
DILLER, HELEN ELIZABETH.....Montclair, N. J.
DODGE, FLORENCE B.....Englewood, N. J.
DRAYTON, ANNA H. (MRS.).....New York City
DREYFUS, JEANNE.....New York City
DUNKIN, DOROTHEA.....New York City
DURYEA, MADELINE S.....Farmingdale, N. Y.
FARRELL, HELEN W.....New York City
FELEKY, ANTOINETTE.....New York City
FULLGRAFF, MAY ALDEN.....New York City
GOLD, BELLA.....Hawthorne, N. Y.
GOLDMANN, JULIA.....New York City
GREENBAUM, MAMIE ROSALIND.....Bridgeport, Conn.
GROSS, ABRAHAM NATHAN.....New York City
HAMILTON, ELLA JEAN.....Philadelphia, Pa.
HERCKNER, CHARLOTTE.....Hackensack, N. J.
HIGGINS, LOUISE ALBERTA.....Hoboken, N. J.
HUNT, RUSSELL.....New York City

HUNTER, CLIFFORDE E.....Decatur, Ga.
IRWIN, MARY GRACE.....Arlington, N. J.
JAMISON, LILLIE HOPE.....Greensboro, N. C.
JESSUP, MARY REYNALE.....New Dorp, N. Y.
KAPLAN, FRANCES.....New York City
KELLSEY, HELEN CHURCHILL.....Englewood, N. J.
KIDDER, ZINIE HODGDON.....Berkeley, Calif.
KOENIG, S. H. (MRS.).....New York City
KOHN, ABRAHAM.....New York City
KOLB, MARY.....Ensley, Ala.
KOONTZ, JAMES BYRON.....Rahway, N. J.
LAMBERT, IRENE JULIET.....New York City
LEVY, ADELE HELENE.....Scranton, Pa.
LITTLE, CARRIE.....Paterson, N. J.
LOGAN, ANNA ELIZABETH.....Oxford, Ohio
LOUGHRAN, KATHARINE ANN.....New York City
MACKAY, IRENE.....Addison, N. Y.
MASTERS, KATHRINE WOLLASTON.....Wilmington, Del.
MAYNARD, FANNY ALMA.....New York City
MELLEN, EMILY KIMBALL.....Port Chester, N. Y.
MERCADO, LUCILA.....Juana Diaz, P. R.
MILLER, ELEANOR SARAH.....Saranac Lake, N. Y.
MILLER, ELIZABETH.....Margaretville, N. Y.
MORRIS, HARRIET ALICE.....Bayonne, N. J.
MUNRO, SIBYL HELEN.....New York City
NOONAN, MARGARET ELEANOR.....St. Louis, Mo.
OSBORN, HILDA.....Summit, N. J.
OSTERHOUT, JUNIA.....Belton, Texas
PACKARD, ASA JUDSON.....Norwood, N. J.
PALMER, LEONARD L.....New York City
PECK, CLARA LOUISE.....Grand Rapids, Mich.
PHILLIPS, C. DOROTHEA.....High Bridge, N. J.
PIERSON, MINETTE.....Vestal Centre, N. Y.
RADCLIFFE, PAUL R.....Flemington, N. J.
REIDY, KATHARINE L.....New York City
RHODES, HELEN NEILSON.....Kendall, Mont.
RICHMOND, LILIAN GLEN.....Charlotte, N. C.
SAX, CAROL MAYER.....Ottumwa, Iowa
SCHALL, MAY.....Taylorsville, Pa.
SEIDMAN, MARY A. (MRS.).....New York City
SHARP, LILLIAN A.....Tomkinsville, N. Y.
SLEFFEL, KATHERINE FRANCIS.....New York City
SLOAN, M. JOSEPHINE.....Worthington, Ind.
SMITH, ISABEL.....Mt. Carmel, Pa.
SPIEGEL, DORA ROSENBERG.....New York City
STAHL, GEORGE FREDERICK.....New York City
STEWART, MYRA GIFFIN.....New York City
TISDALE, CLARA L.....LaCrosse, Wis.
TORRES, ARTURO.....San José, Costa Rica
UPTON, ETHELWYN BERTHA.....New York City
WATKINS, HELEN RICHARDS (MRS.).....New York City
WHALLAY, JESSIE M.....New York City
WRIGHT, VERA ADELE.....New Haven, Conn.

SUMMARY

I.	Graduate Students:		
	Candidates for Doctor's Degree and Diploma	75	
	" " Master's Degree and Diploma	177	
	Unclassified	40	
		292	
II.	Professional Students:		
	Candidates for Bachelor's Degree and Diploma, and for special Diplomas:		
	For Teaching: Biology 14, Educational Psychology 4, English 58, Fine Arts 79, French 6, Geography 11, German 26, in Grammar Grades 6, History 42, Household Arts 357, Industrial Arts 49, in Kindergarten 25, Latin 12, Mathematics 31, Music 30, Physical Education 51, Physical Science 9, in Primary Grades 17, Supervising in Elementary Schools 83, Supervising in Kindergarten 26, Supervising in Primary Grades 20, School Administration 2, Candidates for the Bachelor of Science Degree only 17	975	
III.	Unclassified Students	86	
	Less duplicate counts, students candidates for more than one diploma	10	
	Total resident registration		1343
IV.	Additional matriculated students, Summer Session, 1911		420
	Net total matriculated students		1763
V.	Students from other parts of the University		359
	Total matriculated students		2122
VI.	Non-matriculated (special classes) registered at Teachers College		1126
	" " (evening technical classes)		333
	" " (candidates for special certificates)		148
	Total attendance		3729

In addition to the above there are this year 1061 pupils in the Horace Mann School and 201 in the Speyer School; total 1262.

Total attendance at the college and its schools, 4991.

COLLEGE OF PHARMACY

OFFICERS AND TRUSTEES

NICHOLAS MURRAY BUTLER.....*President*
EWEN MCINTYRE.....*Honorary President*
CHARLES F. CHANDLER.....*Vice-President*
THOMAS P. COOK.....*Vice-President*
WILLIAM JAY SCHIEFFELIN.....*Vice-President*
GUSTAVUS RAMSPERGER.....*Honorary Vice-President*

Term expires 1912
ARTHUR H. ELLIOTT
HIERONIMUS A. HEROLD
ALBERT PLAUT
DAVID COSTELO

Term expires 1913
OTTO P. AMEND
ADOLPH HENNING
CASWELL A. MAYO
REUBEN R. SMITH
HENRY C. LOVIS

Term expires 1914
WILLIAM C. ALPERS
MAX J. BREITENBACH
CHARLES S. ERB
LEO W. GEISLER, JR.
HERBERT D. ROBBINS

CLARENCE O. BIGELOW.....*Treasurer*
THOMAS F. MAIN.....*Secretary*
EDWARD W. RUNYON.....*Assistant Secretary*
W. B. SIMPSON.....*Clerk of the College*

OFFICERS OF INSTRUCTION

The Faculty

The President of the University
Dean RUSBY
Professors ARNEY, BASTEDO, CHANDLER, CURTIS, DIEKMAN, DUFF, ELLIOTT, GIES, JESSUP, MANSFIELD, OEHLER, VORISEK, WIMMER

Officers of the Faculty

Professor RUSBY..*Dean and ex-officio Member of the University Council*
Professor DIEKMAN.....*Secretary*

Other Instructors

FREDERICK A. LESLIE, Phar.D., *Instructor in Analytical Chemistry;* CHARLES W. BALLARD, Phar.D., *Instructor in Materia Medica;* JEANNOT HOSTMANN, Ph.G., *Assistant in Chemistry;* GEORGE HOHMANN,Ph.G., *Assistant in Pharmacy.*

OTHER OFFICERS OF ADMINISTRATION

(See page 5)

GENERAL STATEMENT

The College of Pharmacy of the City of New York, founded in 1829, chartered in 1831, and recognized in 1879 by the Regents as part of the University of the State of New York, became a member of the educational system of Columbia University on July 1, 1904. The President of the University is *ex-officio* President of the College of Pharmacy, and the College is represented in the University Council by its Dean, who is appointed by the Trustees of the College of Pharmacy on the nomination of the President. The College, however, maintains its separate corporate organization, and its Trustees continue to provide for its financial support.

The College is situated at 115 West 68th Street, near Columbus Avenue, in an especially well-equipped building erected in 1894.

The College of Pharmacy is thus the professional school of Columbia University for pharmacists, pharmaceutical chemists, and Doctors of Pharmacy and, as well, a valuable addition to the University's resources for teaching and research in botany, chemistry, and materia medica.

ADMISSION

(See page 176)

Students who are to be examined for admission will be examined either at the Regents' examination, or at the January and September entrance examinations of Columbia University, or of the College Entrance Examination Board, which are held in June of each year. (See page 176.)

College Course

This course is open, according to statute, only to persons holding the Qualifying Certificate for a Pharmacy Student, granted by the State Education Department for 15 Regents' counts or their equivalent. (Leading to the degree of Ph.G.)

University Course

This course is open only to persons holding the Academic Equivalent Certificate of the Regents of the State of New York, or the corresponding credentials of Columbia University or of the College Entrance Examination Board. (Leading to the degree of Ph.C.)

Graduate Course

This course is open to pharmaceutical chemists of this or other schools of equal grade or those holding equivalent degrees. (Leading to the degree of Phar.D.)

Food and Drug Course

This course is open to all graduates of this College, and to others whose training has qualified them to perform the necessary work.

COURSES OF STUDY

1. A College course, consisting of a junior and senior year, leading to the degree of Graduate in Pharmacy, conferred by the College independently of the University, and qualifying the graduate to meet any examination for the position of licensed pharmacist.

The work undertaken is as follows: Junior year—physics, general and pharmaceutical chemistry, analytical chemistry, mathematics of pharmacy, practical pharmacy, dispensing pharmacy, botany, pharmacognosy, physiology, and toxicology. Senior year—organic chemistry, inorganic and organic pharmaceutical chemistry and urinalysis, analytical chemistry, practical pharmacy, dispensing pharmacy, materia medica, toxicology, commercial pharmacognosy, histological pharmacognosy.

2. A University course of two years leading to the degree of Pharmaceutical Chemist, conferred by the University. The work undertaken in this course differs from that of the College course in being of a somewhat more advanced character, and in being pursued through the full academic year. It includes instruction in general biology and a laboratory course in physics, in addition to the studies of the College course. Part of this work is performed by the medical department of the University.

3. A third or graduate course of one year, leading to the degree of Doctor of Pharmacy. This course is designed to fit graduates for positions as analysts and microscopists, and for making urinary analyses, bacteriological examinations, and performing other work of the kind. It consists of practical work in plant analysis, technical microscopy and bacteriology, quantitative and organic analysis, and lecture courses in the theory and practice of inorganic quantitative analysis, commercial organic analysis and toxicology, and physiological chemistry. Students so desiring may

add a second year to this course, making their entire course the equivalent of that leading to the degree of Bachelor of Science.

4. A course of one year in the microscopical and chemical analysis of foods and drugs. A Summer Preparatory Course of twelve weeks is provided for those who, for any reason, require training in special subjects as a preparation for the Food and Drug Course.

5. A number of special courses of instruction have also been established, partly for the benefit of those regular students who desire, for any reason, to specialize in certain lines of work, and partly to provide instruction in individual departments for those who do not desire to take the full course. Certificates, but not diplomas, are awarded to such students. These special courses of instruction are in pharmacognosy, chemical analysis, advanced inorganic and organic chemistry, and practical pharmacy.

Method of Instruction

During the junior and senior years the instruction occupies three days of the week, the alternate days being free for that practical experience in the pharmacy which is required by Boards of Pharmacy. This arrangement enables students to meet the Board requirements, and it also provides a means of paying the expenses of a majority of students.

Many students, under the advice of the Faculty, prefer to devote the entire time of the second year to college work. For those so desiring, additional instruction is provided.

In addition to lectures and laboratory work a series of recitations or quizzes, by a corps of qualified instructors, is given to the classes, in small sections.

Prizes

(See page 443)

REGISTER OF STUDENTS

COLLEGE OF PHARMACY

SENIOR COLLEGE CLASS

ABELL, HARRY.....Gouverneur, N. Y.
ALTERMAN, SAMUEL.....Mt. Vernon, N. Y.
ANDES, ANTHONY JOHN.....Utica, N. Y.
ANDREWS, ARTHUR H.....Mineola, N. Y.
ARONOWITCH, BORIS.....New York City
BARBIERI, BERNARD JOSEPH.....New York City
BARONE, VINCENT.....New York City
BECKER, DAVID.....Yonkers, N. Y.
BIALO, EMANUEL JOSEPH.....New York City
BLOOM, FAY (MISS).....Toronto, Can.
BOCKSHITZKY, JOSHUA.....New York City
BOEHME, FRED.....New York City
BONANOTTE, ALFRED FRANK.....New York City
BRANDT, OTTO, JR.....Newark, N. J.
BRASWELL, IDELLE S. (MRS.).....Brooklyn, N. Y.
BRESLAW, HARRY.....New York City
CARROLL, ARTHUR J.....Towanda, Pa.
CHRISMAN, RUSSELL K.....Syracuse, N. Y.
DAVIDSON, MORRIS.....New York City
DAVIS, JACOB.....New York City
DE BIASO, FRANK JOSEPH.....New York City
DE LUCIA, F. LOUIS.....New York City
DE PASQUALE, MICHAEL.....New York City
DONOVAN, GEORGE JAMES.....Terryville, Conn.
DRURY, EDSELL M.....Middletown, N. Y.
DRUSS, LOUIS A.....New York City
ELKINS, HAROLD C.....Mexico, N. Y.
FALKE, LEOPOLD L.....Brooklyn, N. Y.
FEINBERG, SAMUEL.....New York City
FINKELSTEIN, ALEXANDER S.....New York City
FREEMAN, MAXWELL R.....New York City
GERSTNER, ROBERT R.....New York City
GINZBURG, SIDNEY.....New York City
GODDUHN, FRANCES (MISS).....Jamaica, L. I.
GOIDO, ROBERT W.....New York City
GORODESS, ISRAEL.....New York City
GORTON, GRAHAM.....Summit, N. J.
GREENSTEIN, HENRY BERNHARD.....New York City
HENRIQUEZ, GEORGE.....Madrid, Spain
HERSCHKOWITZ, HENRY.....New York City
HLAVAC, FRANK STANLEY.....New York City
IANNOTTI, OSVALDO.....New York City
JACOBS, SAMUEL.....New York City

KAUFMAN, HARRY S.....Newark, N. J.
KESSLER, JOSEPH.....Stamford, Conn.
KLEIN, JULIUS.....New York City
LAGAMBINA, CAESAR.....New York City
LAPETINA, ANTONIO.....New York City
LEONHARDT, LOUIS HENRY.....Brooklyn, N. Y.
LEVITCH, SAMUEL.....Brooklyn, N. Y.
LIEBERFELD, CHARLES.....Jersey City, N. J.
LO VECE, JOSEPH.....New York City
MCDANIEL, HUGHETT K.....Dover, Del.
MACMILLAN, MALCOLM.....Dunmore, Pa.
MACNAMARA, JOHN.....New City, N. Y.
MAID, CHARLES JOHN.....Tupper Lake, N. Y.
MANASHOW, ISADORE.....New York City
MATTIA, ANTONIO O.....New York City
MAYEROWITZ, PETER.....New York City
MILLER, WM. FREDERICK.....New York City
MILNES, WM. E.....Fulton, N. Y.
MIRANDO, JOHN WM.....Southington, Conn.
MISTRETTA, ALESSIO.....Astoria, N. Y.
MOELLERING, CHRISTIAN.....Jersey City, N. J.
MUSSEN, WRIGHT S.....Newburgh, N. Y.
OSTROW, MICHAEL.....New York City
PELLETTIERI, ELIAS B.....Utica, N. Y.
PENDOLA, PETER.....Brooklyn, N. Y.
PERSKY, WM.....Loch Sheldrake, N. Y.
PIPINO, ANTONIO A.....New York City
PORTOGHESE, GAETANO.....New York City
POSTRELKA, ISRAEL.....New York City
PRINZIVALLI, SALVATORE.....New York City
REALBUTO, LOUIS.....New York City
ROSSI, EUGENE.....New York City
ROTH, ISADORE.....Brooklyn, N. Y.
SAVARESE, LOUIS.....New York City
SCHAUER, CARL E. F.....Bayonne, N. J.
SCHOEN, SAMUEL.....Corona, L. I.
SELIGSOHN, MAX.....New York City
SELKIN, CARL J.....New York City
SHAFTAN, JULIUS.....New York City
SHUTTS, CHRISTOPHER F.....Harrison, N. Y.
SICULAR, MYRON.....New York City
SILVERMAN, THEODORE.....New York City
SIPPLE, CHARLES EDWARD.....Hancock, N. Y.
SMALLMAN, JAMES, JR.....Highland Falls, N. Y.
SOLOMON, SIGMUND.....New York City
SPIEGEL, HERMAN.....New York City
ST. CLAIR, ROB ROY.....Tazewell, Va.
STEITZ, MAUDE E. (MISS).....Albany, N. Y.
TAYLOR, BERTRAM HASBROUCK.....Newburgh, N. Y.
THODE, WM.....New York City
TRAVERS, THOMAS JOHN.....New York City
VENTURA, ANTONIO F.....New York City
WASSERMAN, JACOB.....New York City
WATMAN, ELIZABETH I. (MISS).....Bayonne, N. J.
WEINAR, FRANK.....Mt. Vernon, N. Y.

SENIOR UNIVERSITY CLASS

Ansheles, Joseph ..... Port Richmond, S. I.
Buck, Ainslie ..... Brooklyn, N. Y.
Calvelli, Eugene ..... New York City
Calvelli, George ..... New York City
Crockett, Wm. Goggin ..... Tazewell, Va.
Deffaa, George ..... Bergen Fields, N. J.
Guerrieri, Pasquale ..... Newark, N. J.
Muench, Albert August ..... Syracuse, N. Y.
Nemser, Maximilian ..... New York City
Oehlers, Herbert Christian ..... Chestnut Hill, Conn.
Pickhardt, Elsa (Miss) ..... New York City
Robertiello, Attilio ..... New York City
Robinson, Pauline Maxine (Miss) ..... New York City
Schaefer, Hugo Herman ..... Brooklyn, N. Y.
Schleussner, Robt. ..... New York City
Simon, Gustav ..... New York City
White, Chas. W. ..... Dover, N. J.

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JUNIOR COLLEGE CLASS

Ales, Francesco ..... New York City
Allen, Wm. Cooper ..... Rye, N. Y.
Alt, Fred ..... New York City
Andavall, Aris Jordan ..... New York City
Anze, Simon ..... New York City
Applegate, Frank S. ..... Phillipsburg, N. J.
Aschenbrand, Harry K. ..... Islip, L. I.
Avstreih, Sol. ..... New York City
Ball, Roy W. ..... Monroe, N. Y.
Barta, Joseph J. ..... Brooklyn, N. Y.
Bellis, Saul E. ..... New York City
Benton, Harold S. ..... Middletown, N. Y.
Bockmann, Frederick Augustus ..... Utica, N. Y.
Brennan, John Joseph ..... Naugatuck, Conn.
Burmeister, Henry A., Jr. ..... New York City
Cangialosi, Ciro ..... New York City
Cannistra, Joseph ..... New York City
Cappetta, Joseph ..... New York City
Carroll, Wm. T. ..... Brewster, N. Y.
Casilli, Alfred ..... New York City
Caso, Frank P. ..... New York City
Chanowitch, Simon ..... New York City
Clancy, Thomas A. ..... Bridgeport, Conn.
Cohen, Louis ..... New York City
Colley, Arthur Roy. ..... Wilkes-Barre, Pa.
Davis, Malvina (Miss) ..... New York City
Degele, Carl Sievers ..... Columbia Park, L. I.
Dubinbaum, Asher ..... New York City
Dunn, Morris V. ..... New York City
Eden, Wm. H. ..... Brooklyn, N. Y.
Epstein, Isador ..... New York City
Ettinger, Jerome Edward ..... New York City
Fasano, Sylvio Albert ..... New York City
Fein, Louis ..... New York City

FERBER, SAMUEL.....New York City
FLAXMAN, HARRY.....New York City
FÜRER, CHAS. W.....Sheepshead Bay, N. Y.
GAETANO, PETER.....New York City
GANOW, STACEY BARNUM.....Ithaca, N. Y.
GANSU, HERMAN LEOPOLD.....Arverne, L. I.
GLASSBERG, JOS. J.....New York City
GOLDIN, WM.....New York City
GRECO, JOSEPH F.....New York City
GROSSO, ANNA (MISS).....New York City
HADINGER, AUGUST JOSEPH.....New York City
HAMLIN, LYNN CHASE.....Deansboro, N. Y.
HARTIG, LEO JOSEPH.....Livingston Manor, N. Y.
HARTSTIEN, MORRIS.....Peekskill, N. Y.
HAYES, BENJAMIN A.....Dobbs Ferry, N. Y.
HAYES, FRANK S.....Utica, N. Y.
HEINE, CHAS.....New York City
HERMELIN, HARRY M.....Brooklyn, N. Y.
HOFFMAN, CLARENCE GEORGE.....Utica, N. Y.
HUMPHREYS, FRED. PARKER.....Morristown, N. J.
JAFFE, RAYMOND.....Newark, N. J.
JOHNSON, DAVID.....Larchmont Manor, N. Y.
KASCHUCK, EMANUEL.....Brooklyn, N. Y.
KATZ, SAMUEL.....Livingston Manor, N. Y.
KELLER, ROBERT PHILIP.....Liberty, N. Y.
KENNEY, EDWARD P.....Long Eddy, N. Y.
KODET, EDWARD J.....New York City
KRAMER, ABRAHAM H.....Brooklyn, N. Y.
KRAMER, LOUISE (MISS).....New York City
KRUEGER, WERNER.....New York City
LAMANTIA, SALVADOR.....New York City
LAZARUS, ABRAHAM I.....New York City
LECHNER, BENJAMIN.....New York City
LEFF, MAX.....New York City
LEONHARDT, JOHN CHAS., JR.....Brooklyn, N. Y.
LEVIN, PHILIP.....New York City
LEVINE, HYMAN.....New York City
LEVINE, MORRIS.....Paterson, N. J.
LEVINSON, SAM.....Jersey City, N. J.
LITSKY, ABRAHAM D.....Waterbury, Conn.
LOORI, DANIEL.....Jersey City, N. J.
MACDONALD, ELMER HUYLER.....Hackensack, N. J.
MADER, FRANK J.....Elizabeth, N. J.
MAHONEY, EDWARD.....Westerly, R. I.
MARRAZZO, DOMINICK.....New York City
MARTINEK, ANTON JOHN.....New York City
MASHIN, WILLIAM.....Brooklyn, N. Y.
MASLON, BENJAMIN.....New York City
MATUSOW, ESTHER (MISS).....New York City
MAUGIERE, JOS. M.....
MICHELS, JACOB A.....New York City
MILANO, FORTUNATO F.....
MILLER, ABRAHAM.....New York City
MIRAGLIA, JOHN ANTHONY.....Hoboken, N. J.
MONROE, HARRY WILCOX.....Herkimer, N. Y.
MOSKOWITZ, JACOB.....New York City

MUNN, SAMUEL AUGUSTUS.....Yonkers, N. Y.
MURPHY, JOHN JOSEPH.....Utica, N. Y.
MUSCAT, BENJAMIN.....Rochester, N. Y.
PAGANELLI, BENJAMIN.....
PEET, FLORENCE IRENE (MISS).....Yorktown Heights, N. Y.
PICOZZI, SALVATORE.....Brooklyn, N. Y.
PORRECA, LOUIS.....Hackensack, N. J.
PRINCE, HARLAN GEORGE.....New York City
PURICK, GEORGE BUTLER.....Smithtown Branch, L. I.
REBACK, JOSEPH.....New Haven, Conn.
REIS, CHAS. PERCY.....Syracuse, N. Y.
RETZLAFF, WALTER.....Brooklyn, N. Y.
RICHMAN, BENJAMIN.....Brooklyn, N. Y.
RIEMER, MEYER.....New York City
RIVKIN, SAMUEL M.....Brooklyn, N. Y.
RODGERS, FRED T.....Monroe, N. Y.
ROSENFELD, HARRY.....New York City
ROSS, HORACE RAYMOND.....Petersburgh, Pa.
RUCH, FRED.....Utica, N. Y.
SACK, FRANCIS M.....New Brighton, S. I.
SANCHEZ, MIGUEL S.....Niquero, Cuba
SCHAMACH, CHAS.....Paterson, N. J.
SCHEUERMAN, HENRY W.....Elizabeth, N. J.
SHAPIRO, MICHAEL M.....Brooklyn, N. Y.
SHORT, LOUIS DENNIS.....Calais, Maine
SIMPSON, WALTER B.....East Orange, N. J.
TAGLIARENI, MICHAEL.....New York City
TRAGER, JOSEPH.....Brooklyn, N. Y.
VENETUCCI, JUSTIN.....New York City
WAGNER, ABRAHAM.....Brooklyn, N. Y.
WAGNER, GEORGE LOUIS.....Milford, Pa.
WATTERS, CHAS. JOHN.....South Glens Falls, N. Y.
WEINSTEIN, SOLOMON.....New York City
WEISS, LOUIS.....New York City
WINDT, ERNEST.....New York City
WRIGHT, SAMUEL B.....Salisbury Mills, N. Y.
WU, STZEJAN.....Canton, China
YOUNG, H. WILLARD.....Port Jervis, N. Y.
ZIEGLER, HARRY CLEVELAND.....New York City
ZUCKERMAN, HYMAN.....New York City
ZUPARN, MAURICE.....New York City

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JUNIOR UNIVERSITY CLASS

ACKERMAN, EDWIN B.....Brooklyn, N. Y.
AUGSBURY, THEODORE BYRON.....Hempstead, N. Y.
BENDER, MORRIS SAMUEL.....New York City
BIGELOW, ORRIN.....Richfield Springs, N. Y.
BLUESTONE, ISAAC.....New York City
BOTKIN, REUBEN J.....Bayonne, N. J.
CABRERA, RAFAEL, JR.....Nicaragua, S. A.
CALVELLI, ALFRED T.....New York City
CAPLAN, LEWIS L.....New York City
CHAFEY, JAMES HOLMES.....Point Pleasant, N. J.
COTTRELL, OSCEOLOA P.....Keyport, N. J.

CRANE, EMORY M.....New York City
DAUB, ARTHUR BELMONT.....New York City
DAVIS, DALTON.....Scranton, Pa.
DE LIGUORI, ALPHONSE J.....Waterbury, Conn.
DE MARTINI, W.....Jersey City, N. J.
DIMICELI, MORRIS.....New York City
FLETT, RAYMOND F.....Atlantic Highlands, N. J.
GINSBURG, BENJAMIN.....Van Nest, N. Y.
GOODMAN, SAMUEL.....Hunter, N. Y.
GREGORY, M. GLOVER.....New Canaan, Conn.
HALPER, ARTHUR V.....New York City
HAMMOND, FRED. G.....Montgomery, Ala.
HODES, HARRY HERMAN.....Brooklyn, N. Y.
IRVIN, KARL FREDERICK.....Altoona, Pa.
JACOBSON, NICHOLAS M.....Yonkers, N. Y.
KLOOMOK, ISAAC.....New York City
LEGOLL, JOSEPH CHAS.....New York City
PLANTEN, JOHN RUTGERS, JR.....Brooklyn, N. Y.
SAVARESE, JOHN GAETANO.....New York City
SCHERER, MAX.....New York City
SCHOELLES, WM., JR.....Sea Cliff, L. I.
SHAPIRO, HENRY.....New York City
SOLOMONS, ISAIAH A., JR.....Savannah, Ga.
STEINMAN, ISADORE.....New York City
TAYLOR, WM.....New York City
TRAUB, ADAM J.....Elizabeth, N. J.
VOGEL, HYMAN.....New York City
WEINSTEIN, HERMAN.....New York City
WIENER, JACOB HENRY.....Rockaway Park, Y.
WRIGHT, EDNA WALLACE (MISS).....Bridgeport, Conn.
ZIMMERMAN, THOMAS.....Weehawken Heights, N. J.

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FOOD AND DRUG COURSE

BERNING, BERNHARD HERRMAN.....Kingsbridge, N. Y.
FRIED, LEO H.....New York City
GREENBAUM, SAMUEL.....New York City
RINGLER, ISADOR FREDERICK.....New York City
SCHWARTZ, ISRAEL.....New York City
STEINACH, EDWIN C.....New York City

[6]

GRADUATE COURSE

HUNT, FRANK L.....Smithtown Branch, L. I.
MAZZONI, PHILIP.....Union Hill, N. J.

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SUMMARY

Senior Classes	115
Junior Classes	173
Food and Drug Course	6
Graduate Course	2
	296

SUMMER SESSION AND EXTENSION TEACHING

Administrative Board

Professor EGBERT, *Director*

Professors HERVEY, MONROE, WOODBRIDGE, Dean KEPPEL, and Secretary FACKENTHAL

Recorder

Miss WADELTON

SUMMER SESSION OF 1911

Officers of Instruction

LUTHER HERBERT ALEXANDER, Ph.D., *Romance Languages;* GEORGE MARCUS ALLEN, B.S., *Architecture;* CARRIE VAN R. ASHCROFT, B.S., *Physical Education;* HARRY MORGAN AYRES, Ph.D., *English;* GERTRUDE M. BACON, *Cooking and Sewing;* FRANLKIN THOMAS BAKER, A.M., *English;* LAURA I. BALDT, B.S., *Household Arts;* JOHN SPENCER BASSETT, Ph.D., *History;* HAL TRUEMAN BEANS, Ph.D., *Chemistry;* JESSE E. BEANS, *Architecture;* KATHERINE BERKEMEYER, *Costume Design;* FREDERICK G. BEYERMAN, *Physical Education;* FREDERICK REGINALD BEYGRAU, *Stenography and Typewriting;* MAURICE ALPHEUS BIGELOW, Ph.D., *Biology;* WALTER VAN DYKE BINGHAM, Ph.D., *Educational Psychology;* FREDERICK GORDON BONSER, M.S., *Industrial Education;* WILLIAM FREDERICK BOOK, Ph.D., *Psychology;* GEORGE WILLIS BOTSFORD, Ph.D., *History;* WILBUR PARDON BOWEN, M.S., *Physical Education;* ETHELWYN C. BRADISH, *Industrial Arts;* WILHELM ALFRED BRAUN, Ph.D., *German;* W. E. BRECKENRIDGE, *Mathematics;* HAROLD CHAPMAN BROWN, Ph.D., *Philosophy;* JOHN WILFRED BURLEY, *Industrial Arts;* CHARLES HOWARD BURNSIDE, M.A., *Mechanics;* RUSSELL BURTON-OPITZ, Ph.D., *Physiology;* WILLIAM B. CAIRNS, Ph.D., *English;* R. D. CALKINS, M.S., *Geography;* H. A. CAPARN, *Landscape and Design;* WILLIAM CHADWICK, *Fine Arts;* ANTONIO CIRINO, *Industrial Arts;* ROSSETTER GLEASON COLE, Ph.B., *Music;* GRACE L. COOK, A.M., *English;* ANNA M. COOLEY, B.S., *Household Arts;* WILLIAM FORBES COOLEY, Ph.D., *Philosophy;* CAROLINE CRAWFORD, *Physical Education;* CARLTON CLARENCE CURTIS, Ph.D., *Botany;* WILLIAM HAWLEY

DAVIS, A.M., *Public Speaking;* HELEN M. DAY, B.S., *Household Arts;* JOSEPH VILLIERS DENNEY, M.A., *English;* JOHN DEWEY, Ph.D., *Philosophy of Education;* ELLA V. DOBBS, *Industrial Arts;* RAYMOND DODGE, Ph.D., *Psychology;* HELEN DONOVAN, B.S., *Household Arts;* GOLDTHWAITE H. DORR, LL.B., *Law;* LILLIAN CURTIS DREW, *Physical Education;* LIDA BELLE EARHART, Ph.D., *Elementary Education;* ANDREW WHEATLEY EDSON, A.M., *Educational Administration;* CHARLES HUBERT FARNSWORTH, *Music;* FREDERIC ERNEST FARRINGTON, Ph.D., *Educational Administration;* HERMAN WALDO FARWELL, A.M., *Physics;* WILLIAM BENJAMIN FITE, Ph.D., *Mathematics;* JOHN DRISCOLL FITZ-GERALD, II., Ph.D., *Romance Languages;* A. E. FLANAGAN, *Architecture;* EDWARD JOSEPH FORTIER, A.B., *Romance Languages;* NELLIS B. FOSTER, M.D., *Biological Chemistry;* JAMES EVERETT FRAME, A.M., *New Testament Literature;* LUCILE GRACE FRENCH, *Household Arts;* GRACE FULMER, *Kindergarten Education;* CHARLOTTE GARRISON, *Kindergarten;* FRANKLIN HENRY GIDDINGS, Ph.D., *Sociology;* WILLIAM JOHN GIES, Ph.D., *Biological and Physiological Chemistry;* RALPH W. GIFFORD, LL.B., *Law;* WILLYSTINE GOODSELL, Ph.D., *History of Education;* AMADEUS WILLIAM GRABAU, S.D., *Geology;* ROBERT P. GRAY, *Household Arts and Fine Arts;* CHARLES CLAYTON GROVE, Ph.D., *Mathematics;* CHARLES GROVE HAINES, Ph.D., *Politics;* EVERETT J. HALL, *Chemistry;* WILLIAM HALLOCK, Ph.D., *Physics;* CHARLES A. HARRIMAN, *Architecture;* HENRY RAND HATFIELD, Ph.D., *Economics;* FLORENCE MARY HEALY, *Physical Education;* ERNEST NORTON HENDERSON, Ph.D., *Philosophy of Education;* WILLIAM ADDISON HERVEY, A.M., *German;* FREDERICK WILLIAM JUSTUS HEUSER, A.M., *German;* PATTY SMITH HILL, *Kindergarten Education;* MILO B. HILLEGAS, *Education;* JANE HOAGLAND, *Industrial Arts;* PERCY HODGE, Ph.D., *Mechanics;* GEORGE THOMAS HOLM, *Swimming;* HENRY F. HORNBOSTEL, B.S., *Architecture;* ARCHER B. HULBERT, *History;* GORDON FERRIE HULL, Ph.D., *Physics;* OTTO VICTOR HUMANN, *Fine Arts;* CHARLES BISHOP JOHNSON, *Public Speaking;* HENRY JOHNSON, A.M., *History;* ARTHUR JULIUS JONES, Ph.D., *Education;* DANIEL JORDAN, B.Pd., *Romance Languages;* CAVALIER HARGRAVE JOUËT, Ph.D., *Chemistry;* EDWARD KASNER, Ph.D., *Mathematics;* HELEN REX KELLER, B.L., *Library Economy;* SARA LAWRENCE KELLOGG, B.A., *Library Economy;* WILLIAM HEARD KILPATRICK, A.M., *History of Education;* GEORGE WASHINGTON KIRCHWEY, LL.D., *Law;* CHARLES KNAPP, Ph.D., *Greek, Latin;* HELEN KNEIP, *Kindergarten;* EDWARD BENJAMIN KREHBIEL, Ph.D., *History;* ALFRED LOUIS KROEBER, Ph.D., *Anthropology;* LOUIS AUGUSTE LOISEAUX, B. ès S., *Romance Languages;* JAMES LEE LOVE, A.M., *Assistant to the Director;* WILLIAM H. MCCASTLINE, M.D., *Physical Education;* NELSON GLENN MCCREA, Ph.D., *Latin;* JAMES HOWARD MCGREGOR, Ph.D., *Zoölogy;* MATILDA MCKEOWN, B.S., *Household Arts;* FRANK MORTON MCMURRY, Ph.D., *Elementary Education;* GRACE HARRIET MACURDY, Ph.D., *Greek;* MELINDA I. MANCHESTER, *Household Arts;* MAUD MARCH, *Physical Education;* A. MARI-

NONI, A.M., *Romance Languages;* CHARLES J. MARTIN, *Woodworking;* RALPH EDWARD MAYER, C.E., *Mechanical Drawing;* ABBY SHAW MAYHEW, *Physical Education;* WILLIAM EDWARD MEAD, Ph.D., *English;* ROYAL MEEKER, Ph.D., *Economics;* JAMES ALEXANDER MILLER, M.D., *Medical Diagnosis;* PAUL MONROE, Ph.D., *History of Education;* WILLIAM PEPPERRELL MONTAGUE, Ph.D., *Philosophy;* ANNIE E. MOORE, B.S., *Elementary Education;* FRANK GARDNER MOORE, Ph.D., *Latin;* WILLIAM UNDERHILL MOORE, LL.B., *Law;* J. LIVINGSTON R. MORGAN, Ph.D., *Chemistry;* O. S. MORGAN, Ph.D., *Agriculture;* LEIGHTON B. MORSE, Ph.D., *Physics;* ALFRED J. MOSES, Ph.D., *Mineralogy;* ISADORE G. MUDGE, *Library Economy;* HENRI FRANÇOIS MULLER, B. ès L., *Romance Languages;* HENRY RAYMOND MUSSEY, Ph.D., *Economics;* JOHN M. NELSON, Ph.D., *Chemistry;* WILLIAM NOYES, A.M., *Industrial Arts;* HARRY OHLSON, *Physical Education;* WILLIAM ORR, A.M., *Secondary Education;* MARY H. PEACOCK, A.B., *Household Arts;* HENRY C. PEARSON, *Elementary Education;* WALTER BOWERS PILLSBURY, Ph.D., *Psychology;* ALLEN WILSON PORTERFIELD, Ph.D., *German;* THOMAS REED POWELL, LL.B., *Public Law;* HARRY WILFRED REDDICK, Ph.D., *Mathematics;* JOHN FRANKLIN REIGART, A.B., *Elementary Education;* ARTHUR FRANK JOSEPH REMY, Ph.D., *German;* RACHEL T. RICHARDSON, *Industrial Arts;* HENRY ALFORD RUGER, Ph.D., *Educational Psychology;* HENRY H. L. SCHULZE, A.M., *German;* ROBERT LIVINGSTON SCHUYLER, Ph.D., *History;* EMILY C. SEAMAN, A.M., *Household Arts;* HENRY CLAPP SHERMAN, Ph.D., *Chemistry;* LEWIS PARKER SICELOFF, A.B., *Mathematics;* CHARLES CONRAD SLEFFEL, *Industrial Arts;* WALTER IRVINE SLICHTER, *Electrical Engineering;* EDWARD R. SMITH, A.B., *Fine Arts;* STEVENSON SMITH, Ph.D., *Educational Psychology;* CAROLINE E. STACKPOLE, M.A., *Biology;* ISABEL M. STEPHENS, B.S., *Physical Education;* SETH THAYER STEWART, LL.B., *Physical Education;* GEORGE DRAYTON STRAYER, Ph.D., *Educational Administration;* JAMES SULLIVAN, Ph.D., *History;* HENRY SUZZALLO, Ph.D., *Philosophy of Education;* MARY D. SWARTZ-ROSE, Ph.D., *Household Arts;* SALLIE B. TANNAHILL, *Fine Arts;* ASHLEY H. THORNDIKE, Ph.D., *English;* FREDERICK THORNE, B.S., *Industrial Arts;* EVELYN SMITH TOBEY, B.S., *Household Arts;* CLIFFORD BREWSTER UPTON, M.A., *Mathematics;* MAY B. VAN ARSDALE, B.S., *Household Arts;* KARL MAX VOGEL, M.D., *Clinical Pathology;* LEON VOLKMAR, *Industrial Arts;* CAMILLO VON KLENZE, Ph.D., *German;* HERMAN T. VULTÉ, Ph.D., *Household Chemistry;* AUGUSTUS BALDWIN WADSWORTH, M.D., *Bacteriology;* CHARLOTTE A. WAITE, B.S., *Household Arts;* LESTER FRANK WARD, LL.D., *Sociology;* LAMONT A. WARNER, *Household Arts and Fine Arts;* CHARLES P. WARREN, A.M., *Architecture;* RAYMOND WEEKS, Ph.D., *Romance Languages;* CHARLES WILLIAM WEICK, B.S., *Industrial Arts;* GUY MONTROSE WHIPPLE, Ph.D., *Educational Psychology;* CLARENCE HUDSON WHITE, *Photography;* HENRY SEELY WHITE, Ph.D., *Mathematics;* WALTER GEORGE WHITMAN, A.B., *Chemistry;* J. PAUL J. WILLIAMS, C.E., *Civil Engineering;* ROLAND HUGH WILLIAMS, A.M.,

Chemistry; FREDERICK A. WOLL, *Physical Education;* FRANCIS CARTER WOOD, M.D., *Clinical Pathology;* IRVING FRANCIS WOOD, Ph.D., *Philosophy and History of Religion;* FREDERICK J. E. WOODBRIDGE, LL.D., *Philosophy;* ROBERT SESSIONS WOODWORTH, Ph.D., *Psychology;* ERNEST HUNTER WRIGHT, Ph.D., *English;* THEODORA ETHEL WYE, B.S., *Classical Philology.*

Lecturers

ETHEL HELENA BUDINGTON, *Library Economy;* CHRISTINA ERICSON, *Textiles and Clothing;* J. J. FINDLAY, *Education;* FREDERICK CHARLES HICKS, *Library Economy;* FREDERICK W. JENKINS, *Library Economy;* ANDREW KEOGH, *Library Economy;* MONTROSE J. MOSES, *Library Economy;* HARRIET B. PRESCOTT, *Library Economy;* DELOSS SMITH, *Music;* THOMAS TAPPER, *Music;* GILBERT O. WARD, *Library Economy.*

Assistants

ELLEN A. BEERS, *Household Arts;* BERTHA M. BENTLEY, *Elementary Education;* GRACE V. BLISS, *Fine Arts;* DOROTHY BOCKER, *Physical Education;* MINNIE L. BOLLERT, *English;* MILLEDGE L. BONHAM, JR., *History;* GRACE LILLIAN BROWN, *Kindergarten;* LOUIS A. BROWN, *Physical Education;* VICTOR LOVITT OAKES CHITTICK, *English;* ELSIE R. CLAPP, *Education;* ETHEL M. CORNELL, *Household Arts;* FRED DANNELFELSER, *Industrial Arts;* ROLLIN COLEGROVE DEAN, *Zoölogy;* BERNARD OGILVIE DODGE, *Botany;* JOSEPHINE DUKE, *Music;* O. R. FOSTER, *Physics,* BERTHA M. GATH, *Elementary Education;* LILLIAN B. GUNN, *Household Arts;* WILLIAM HALLER, *English;* WILLIAM E. HARNED, *Stenography;* M. HEIDELBERGER, *Chemistry;* THOMAS A. HOGAN, *Industrial Arts;* MERLE M. HOOVER, *English;* MARGARET C. HULL, *Household Arts;* FRANCIS JENKINS, *Elementary Education;* ELIZABETH KURTZ, *Geology;* LULU R. LANCASTER, *Household Arts;* L. G. MCCLELLAND, *Biology;* M. T. MCCLURE, *Philosophy;* ROBERT FRANKLIN MCCRACKEN, *Chemistry;* HENRY HOWARD MARVIN, *Physics;* FRANK GEORGE MEREDITH, *Excursions;* WILLIAM S. NELMS, *Physics;* L. J. NUTTALL, *Educational Psychology;* CHARLES PACKARD, *Zoölogy;* ALICE M. PAINE, *Elementary Education;* B. F. PHILIPSON, *Chemistry;* GRACE R. POTTER, *Elementary Education;* JOHN ROSS, *Industrial Arts;* EMMA SCHRANER, *Physical Education;* L. SCHROEDER, *History of Education;* JESSE B. SEARS, *Education;* WILLARD LESLIE SEVERINGHAUS, *Physics;* RAYMOND W. SIES, *Education;* CAROLINE V. SINNAMON, *Elementary Education;* ROXANA A. STEELE, *Elementary Education;* C. H. STONE, *Chemistry;* CORNELIA H. STONE, *Household Arts;* GARDO THOMPSON, *Household Arts;* ANNA C. THORNTON, *Physical Education;* JOHN WELHOFF TODD, *Psychology;* CHARLOTTE WALLS, *Physical Education;* CHARLES DIGBY WARDLAW, *Education;* FLORENCE V. WATKINS, *Elementary Education;* FLORENCE WILSON, *Library Economy;* ELIZABETH D. YOUNG, *Kindergarten.*

In Charge of Excursions, LEONIDAS WAKEFIELD CRAWFORD, A.M.
Lecturer and Chorus Leader, WALTER HENRY HALL.
Organist, WILLIAM J. KRAFT.
Social Secretary, Teachers College, Mrs. WILLIAM H. KILPATRICK.

GENERAL STATEMENT

The twelfth Summer Session of the University opened July 5, 1911, and closed August 16. The registration days for the Summer Session were June 30, July 1 and 3. Examinations for certificates were held on August 16.

Courses were offered to men and women on equal terms, in accounting, anthropology, architecture, assaying, biblical literature, biology, botany, chemistry, commercial geography, corporation finance, domestic art, domestic science, economics, education, engineering, English, fine arts, freehand drawing, French, geography, geology, German, Greek, history, history of religion, household arts, industrial arts, Italian, kindergarten, Latin, law, library economy, manual training, mathematics, mechanical drawing, mechanics, medicine, mineralogy, music, philosophy, photography, physical education, physics, physiology, politics, psychology, public speaking and oral reading, Romance languages, sociology, Spanish, stenography and typewriting, and zoölogy.

Each course consisted of thirty-one lectures or other exercises, or their equivalent in laboratory or field work. Credit for such courses in the Summer Session as are accepted by the several Faculties of the University in partial fulfilment of the requirements for degrees, or for diplomas in teaching is given upon the satisfactory completion of the course, including the final examination.

Fees

(See page 43)

The tuition fee for the Summer Session is $30, which covers courses of instruction aggregating six points credit, the normal limit allowed by the regulations.

For the *Announcement* of the Summer Session of 1912, which will open July 8 and offer a wide range of courses, or for information regarding dormitory accommodations, or board and lodging, address the Secretary of Columbia University, New York.

Registration, Session of 1911

Copies of the separately printed *Directory of the Summer Session, 1911*, may be had upon application to the Secretary of the University. In this catalogue, at the close of the Register of Students under each Faculty, will be found a list of the Summer Session students of 1911 who matriculated under that Faculty, but who did not return to register in September.

SUMMARY

I.	Non-matriculated		1731
II.	Matriculated:		
	1. Columbia College	150	
	2. Barnard College	48	
	3. Mines, Engineering and Chemistry	147	
	4. Law	25	
	5. Medicine	8	
	6. Fine Arts	7	
	7. Political Science	43	
	8. Philosophy*	366	
	9. Pure Science	68	
	10. Teachers College	377	
			1239
			2970

* Including 185 students with education as a major subject and registered under the Faculty of Philosophy through Teachers College.

EXTENSION TEACHING, 1911–12

Officers of Instruction

Instructors—B. M. Anderson, Jr., E. E. Agger, M. G. Bach, R. F. Bach, J. E. Beans, H. T. Beans, F. R. Beygrau, W. A. Braun, G. M. Brett, H. C. Brown, F. M. Burdick, C. H. Burnside, Miss G. L. Cook, W. F. Cooley, A. J. Cross, C. C. Curtis, F. B. Dow, D. B. Duncan, W. O. Farnsworth, H. W. Farwell, F. C. Fette, J. K. Finch, C. Fontaine, G. B. Ford, R. K. Forsyth, E. J. Fortier, C. R. Gaston, A. W. Grabau, N. E. Griffin, C. C. Grove, W. T. Hale, W. H. Hall, W. P. Hall, W. Hallock, C. M. Hamilton, C. A. Harriman, T. H. Harrington, C. H. Hayes, W. A. Hervey, F. W. J. Heuser, M. B. Hillegas, G. Hindermyer, R. M. Hodge, H. L. Hollingworth, L. Imbert, J. W. Ingle, Jr., E. T. Kennedy, S. B. Koopman, O. Kress, F. Lamond, A. A. Livingston, L. A. Loiseaux, E. N. Milliken, W. Milwitzky, T. C. Mitchill, R. H. Montgomery, W. C. Moore, O. S. Morgan, H. F. Muller, A. C. Neish, J. M. Nelson, J. W. Nichols, F. S. Nowlan, C. A. Pifer, W. B. Pitkin, A. W. Porterfield, H. W. Reddick, J. H. Robinson, A. F. Ross, E. M. Sait, H. H. L. Schulze, R. L. Schuyler, J. T. Shotwell, L. P. Siceloff, C. G. Simpson, E. R. Smith, Miss A. Snyder, H. R. Steeves, W. W. Stifler, E. K. Strong, Jr., E. H. Sturtevant, A. Tassin, R. Taylor, S. M. Tucker, J. L. Tynan, C. Van Doren, L. T. Wilson, G. Weeman, L. Welzmiller, F. P. Whitaker, Miss A. T. Whyte, S. L. Wolff, F. A. Woll, Miss T. E. Wye.

GENERAL STATEMENT

The statutes of the University (Section 230) define Extension Teaching as "instruction given by University officers and under the administrative supervision and control of the University, either away from the University buildings, or at the University, for the benefit of students unable to attend the regular courses of instruction."

Students

Courses in Extension Teaching are planned for two classes of students,—*first*, men and women who can give only a portion of their time to study and who desire to pursue subjects included in a liberal education of the character and grade of a college or professional school, but without any reference to an academic degree,—*second*, those who look forward to qualifying themselves to obtain in the future academic recognition, involving acceptance of the work which they may satisfactorily complete in Extension Teaching.

Courses

In the academic year 1911–12 regular courses of instruction are in many instances co-ordinated so as to form at least the first year of collegiate and professional work, thus providing in the evening at Morningside Heights, and elsewhere, courses in subjects which are offered in the Freshman and Sophomore years of Columbia College and Barnard College, so that students may make progress toward the degrees of A.B. and B.S.

There are also offered at Morningside Heights in the evening subjects which are given in the Schools of Mines, Engineering and Chemistry, so that a student may pursue some special line of scientific study or prepare himself for the second or third year in these schools.

Evening courses are offered in Architecture which correspond to the courses of the Columbia University School of Architecture.

Evening courses in Commerce and Finance, forming the first year of a three-year course leading to a certificate in commerce, are given at Morningside Heights.

A series of courses has been arranged which will equip students for the position of secretary. These require three years for high school graduates and one year for college graduates.

Many courses are offered which aid a student to prepare for the Schools of Law and Medicine or to complete his preparation for Columbia College or for the scientific schools.

A large number of other courses in varied subjects are given late in the afternoon and on Saturday which repeat those in liberal studies offered in the Colleges of the University. These are given in the same manner and often by the same instructors as the regular courses. In many instances university credit will be granted.

Numerous courses are given at various centres. These are either regular courses of collegiate grade or those preliminary thereto. Lecture courses arranged in groups of six lectures will also be given in different centres.

Lecture-study courses in certain subjects forming thirty lectures alternating with quiz or conference hours will be given at Morningside Heights and at centres when requested.

Fees for Extension Courses

1. All students, matriculated or non-matriculated, admitted to Extension courses, must pay at the time of registration the fees determined by the Administrative Board. The fees for Extension courses are determined as a rule at the rate of $5 per point, *i.e.*, for one hour per week of class-room work, or two hours of laboratory or drawing-room work through a half-year. **All students must pay a registration fee of $5.00, which is payable but once in the University.** Students taking six points each half-year have the privileges of the library, dormitories, and gymnasium.

Unless otherwise directed, students must pay all fees at the office of the Bursar.

2. Students in courses in local centres will pay either the fee arranged by the local centre or the usual fee described above. Detailed information in regard to the payment of the fee is given with the statement of the course.

Admission to Extension Courses

No examination is required for admission to courses offered in Extension Teaching but students must satisfy the Administrative Board that they can pursue the courses with advantage. It is expected that the prospective student in all collegiate and professional courses shall have had a full secondary school education. The courses are open, unless it is otherwise stated, both to men and women. The Administrative Board reserves to itself the right to refuse admission to a course or to withdraw the privilege of attendance upon a course which the student is unfitted to pursue with advantage.

Students who are duly admitted to Extension courses but are not candidates for a degree or diploma are termed *non-matriculated* students. Students who have completed the requirements for admission, and have been formally admitted by or in behalf of the Faculty concerned as candidates for a diploma or degree, are termed *matriculated* students.

Courses in Extension Teaching, approved by the Committee on Instruction, are credited for matriculated students toward the degrees of A.B. and B.S. in Columbia College and Barnard College, and toward the degree of B.S. and the diplomas in Teachers College, in accordance with the regulations established by the various faculties.

Courses in Extension Teaching, approved by the Executive Committee of the Council, will count toward the degree of A.M., in accordance with the regulations of the University Council.

For detailed information as to the places and hours for these courses, both at the University and at the several local centres, the qualifications for admission, the regulations for registration, candidacy for degrees, diplomas, attendance, and examinations, the fees prescribed, and for a statement of each course offered, see the *Announcement of Extension Teaching, 1911–12*, which may be obtained without charge upon application to the Secretary of the University.

SUMMARY OF STUDENTS, 1910–1911

Morningside	922
Newark	56
Brooklyn	55

DEGREES CONFERRED DURING 1910–11

Degrees are conferred at the October and February meetings of the University Council and on Commencement Day.
See the Academic Calendar

Columbia College

Bachelor of Arts

Alexander Isidore Abrahams
Edgar Altenburg (February 8)
Laurence Henry Axman
Herbert Peter Baumer
Paul Morris Beck
Wiley Alexander Bell, Jr.
Sidney Bender
Augustus Henry Bergman
Henry Berkowitz (February 8)
Shelton Hale Bishop
Joseph Thomas Blaber
Percy Emanuel Boas
Carmine William Caruso
Albert M. Cohn-McMaster (October 3)
William Caspar Dorr
George Pennington Egbert
Meyer Eichmann
Carl Bernard Eimer
Seba Eldridge (February 8)
Albert Epstein (October 3)
Robert Le Fevre Fairbairn
Frank Julius Felbel
Aaron Boylan Fitz-Gerald
Dixon Ryan Fox (February 8)
Max Frank
Ernest Vivian Frerichs (October 3)
Israel Friedman (February 8)
Henry Curt Furstenwalde
Kiliaen van Rensselaer Gibson
Arthur Nicholas Giegerich (February 8)
Nelson Burroughs Gildersleeve
Edwin Lawrence Gluck
Herbert Samuel Goldstein (February 8)
Jones Greene Griffith
Abraham Maurice Grill
Isador Haber
Ernest William Hartung (October 3)
William Henry Hastings
Harold Gould Henderson, Jr. (October 3)
Wayne Darlington Heydecker
John Warren Hill
Lester Sanders Hill
Joseph Charlap Hyman (February 8)
Roland Stuart Ketchum (October 3)
Joseph Klingenstein
Richard Charles Klugescheid
Leo Koenig
Samuel Seymour Korn
Samuel Oppenheim Kuhn
Allen Lefferts
Maurice Levine
Samuel Joshua Levinson
Louis Martin Levy
Harold Baxter Liebler
Angelo Lipari
With high honors in Romance Languages and Latin
Llewellyn Lloyd (February 8)
Armin Kohl Lobeck (February 8)
William MacRossie
Robert Vincent Mahon (October 3)
Bernard Kent Marcus
George Milroy Marshall
Alexander Becht Morris (October 3)
John Joseph Murphy
Melville Nauheim (October 3)
Robert Clinton Norton
Berthold Hintz Nye (October 3)
Earl William Osborne (February 8)
Frank Pascarella
Thomas Bugard Paton, Jr.
Arthur Leo Price

William Remsen
William Walter Renwick
Ernest Spencer Roche
John Pierre Roche (February 8)
Nathaniel Otis Rockwood
Milton Benjamin Rosenblüth
William Neely Ross (February 8)
Gabriel Rubino
Arnold Moses Schmidt
Frederick William Scholz
John Andrew Siceloff
Frederick Burr Spencer
James Alexander Steel
Ralph Randles Stewart (February 8)
John Andrew Storey, Jr.
Samuel Myer Strasburger
Ernest Harvey Van Fossan
Harold Van Tine
George Henry Warren, Jr.
William Thomas Webber
Webb William Weeks (October 3)
Walter Moses Weis
Winfred Hamlin Ziegler
Carl Daniel Zigrosser

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Bachelor of Science

Sidney Adlman (February 8)
Henry Daniel Baker
James Alpheus Baker, Jr. (February 8)
Gurnee Hinman Barrett
Paul David Bieber (October 3)
Harry Bloch
Isidor Bernard Blumborg (October 3)
Alexandre Bruno
Sterry Hunt Childs
Leonard Covello (February 8)
Martin Louis Degavre (February 8)
Geoffrey James Dwyer
Louis M. Epstein
Joseph Constantine Ferrara
Alfred Russell Flower
Bonner Frizzell
Michael Der Garabedian (October 3)
Samuel Ralph Gerstein
Ismar Ginsberg
Harold Melville Greenebaum
Milton Greenebaum
Alfred John Grimm
Chen Sheng Huang
William Cullen Bryant Kemp
George Thurman Keyes
David Edward Kronman (October 3)
Monroe Bradford Kunstler
William Murray Lee
Myron Lawrence Lesser (February 8)
Alexander Leon Louria (October 3)
Alexander Lowy
Edward Hémond Mackenzie
Cedric Ferris Maguire
Harry Widdicombe Marsh
Alden Karl Martin
Hua-Chuen Mei
Adolph Henry Meyer
Joseph Stewart Michtom
John Augustine Mullen
David Gerson Schechter
Gabriel Schlesinger
Frank Gillman Schrenkeisen (February 8)
George William Artway Scott (February 8)
Milton Pinchus Springer
Ricmond Stephens
Edwin Wadsworth Stone
Irwin Wheeler
William Osterhout Whipps (February 8)

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Barnard College

Bachelor of Arts

Helen Lovene Amy
Lillian Sophia Anderson (February 7)
Alice Laura Bennett
Fanny Aurill Bishop
Stella Bloch
Ida Bokshitzky
Josephine Adèle Bosch
Helen Brown
Juanita Brown
Emilie Elizabeth Margaret Bruning
Agnes Madeleine Burke
Eleanor Burne
Edith Crowell Burns
Ruth Augusta Burns
Emily Thorp Burr (February 7)
Anna May Callan

Therese Cassel
Amelia Aurélie Clément
Helen Copeland Coombs
Helen Hopkins Crandell
Harriet Joy Currier
Agnes May Denike
Evelyn Dewey
Adele Duncan
Levanchia Vibbard Eaton
Elizabeth English
Vera Amanda Fueslein
Katharine Gay
Rose Gerstein
Grace Gilleaudeau
Elsie Gleason
Elizabeth Naomi Gray
Louise de Forest Greenawalt
Lottie June Greiff
Charlotte Haithwaite (October 1)
Ruth Johnston Hakes
Harriet Florence Hale
Margaret Tower Hart
Irma Fanny Heiden
Julia Ryon Henning (October 1)
Anna Francis Herreshoff
Augustina Hess (February 7)
Alice Taylor Hill
Madeleine Hirsh
Margaret Rosalind Hogan
Olga Kathryn Ihlseng
Eugenia Ingerman
Rhoda Muriel Ivimey
Louie Estelle Johnson
Anna Augusta Kugler
Ethel Sylvia Leveridge
Grace Greene Lovell
Augusta Lustgarten
Grace Irene McKee
Edna Josphine McKeever (February 7)
Ellen Naar Maison (October 1)
Anna Leila Martin
Eleanor Marion Martin (June 1, 1910)
Marie Ruth Maschmedt
Theresa Mayer (February 7)
Eva Cecile Mordecai
Edith Matilda Morris
Ruth Lillian Moss
Agnes Nobis
Marian Oberndorfer
Louise Elizabeth Ockers
Alice Margaret O'Gorman
Mary Bartow Polhemus
Helen Maud Porter
Marion Pratt
Ottilie Prochazka
Frances Maude Fitz Randolph
Mabel Jean Reid
Beatrice Alma Rich (June 1, 1910)
Elizabeth Riordon
Mamie Erna Rivkin
Helen De Mott Runyon
Rose Salmowitz (October 1)
Dorothy Salwen
Mildred Louise Sanborn
Georgiana Sandford
Gertrude Elizabeth Louise Saul
Helen Elizabeth Savitz (October 1)
Ethel Schlesinger
Lillian Schoedler
Caroline Eustis Seely
Angelina Maria Seveso
Myrtle Shwitzer
Ruth Hillard Sidell
Luise Maria Sillcox
Gladys Hollingsworth Smith
Ruth Madeline Stagen
Jeannette Amelia Steinecke
Natalie Stewart
Maude Beulah Stimson (February 7)
Stella Straus
Gladys Griffith Tallman
Elisabeth Thomson
Kate Huntington Tiemann
Annie Schmelzel Van Buskirk
Charlotte Verlage
Linda Caroline Weymann
Helen Elizabeth Wilkes
Geraldine Willets
Hazel Blackmore Wright

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Bachelor of Laws

Saul Bernard Ackerman, B.S.
James Arthur Allen, A.B.
Frederick Dyer Anderson, A.B.
Alexander Appel, B.S.
Stephen Myles Bell, C.E.
Frederic Otto Berge, B.S.
L. Horatio Biglow, Jr., A.B.
Harry Bijur, A.B.
Clifford Hershey Bissell, A.B.
Oscar Samuel Blinn, A.B.
Otho Samuel Bowling, A.B., A.M.
Emil Breitenfeld, A.B.
John Brizzolara, A.B.
John Kenneth Byard, A.B.

William Edward Byers, A.B.
Orville Gibert Calhoun, A.B.
Michael Nelson Chanalis, A.B.
Louis Albert Chase, Ph.B.
Irving W. Church, A.B.
Miles Chester Comstock, B.S.
Harold Augustus Content, A.B.
Ralph Copeland, A.B.
Frederic Joseph Corbett, B.S.
Victor Willard Cutting, A.B.
Francis Dean, A.B.
Russell Goodier Dunmore, A.B.
William Eastman, A.B.
Lewis Epstein, A.B.
Sidney Webster Fish, A.B.
Pascal Joseph Fortinash, B.S.
Osmond Kessler Fraenkel, A.B., A.M.
Abraham Freedman, Ph.B.
Richard Garvey, Jr.
William Louis Glenn, A.B.
Walter Mayer Goldsmith, A.B.
Percy Frank Griffin, A.B.
Paul Hayes Guilfoil, A.B., A.M.
Siegfried Frisch Hartman, B.S.
Herman William Heidgerd, A.B.
Carl Frederick Helm
Lewis Henry, A.B.
Charles Hershenstein, A.B., A.M.
Samuel Hershenstein
Harold Henry Herts, A.B., A.M.
Mortimer Henry Hess, A.B., A.M.
Fremont Amasa Higgins, A.B., A.M.
Leslie Stephen High, A.B., A.M.
George Edgar Hite, II., A.B.
Lindsay Duncan Holmes, A.B.
Alexander Holtzoff, A.B., A.M.
James K. Houghton, A.B.
Richard Charles Hunter, A.B.
William Alfred Jacobs, A.B.
Hallett Johnson, A.B.
Harding Johnson
Asa Bigelow Kellogg, A.B.
Eugene Edmund Kelly, A.B.
Clive Wetherill Kernan, A.B.
Karl Wendell Kirchwey, A.B.
Gregory Kistler, B.S.
Geoffrey Konta, A.B.
Edward E. Leissner
Oscar Levine, B.S.
Lester Miles Livengood, B.L.
George S. Love, A.B.
John Clifford McChristie, A.B.
Frederic Hewlett McCoun, Jr., A.B.
William G. McLoughlin, A.B.
Charles Lionel Marcus, B.S., A.M.
George Megrew
Walter Bernard Milkman, A.B.
George William Morris, A.B.
Carl Metz Myers, B.S.
Amos Jenkins Peaslee, A.B.
W. H. Dannat Pell, A.B.
Arthur Wyman Proctor, LL.B.
Robert Hughes Rice, A.B.
Leopold Opper Rothschild, A.B.
Nathan Salsbury, A.B.
Harold Seely Schultz, A.B.
Louis Frederick Schwartz, Jr., A.B.
Francis E. Scott, A.B.
Frank L. Sherrer, A.B.
John Stewart Sickels, B.S.
Walter Bernard Solinger
Joseph Steiner, A.B., A.M.
Philip J. Termini, A.B.
Robert Boyd Walkinshaw, Ph.B.
Guy Oliver Walser, A.B., A.M.
Carl Jacob Wangerien, A.B.
David Weinstein, A.B.
William Stix Weiss, A.B.
Stanley Lewis Wolff, A.B.
S. Duncan Wylie, A.B.

[94]

Doctor of Medicine

Stephen Hulbert Ackerman, Jr., A.B.
Hugo Alexander, B.S.
Frederic Augustus Alling, B.S.
Walter Palmer Anderton, A.B.
John Rainey Ashe, B.S.
William Howard Barber, A.B.
Abraham Bessie, A.B.
Louis Edward Bisch, A.B.
R. Mark Brown, A.B.
Ralph Monroe Bruckheimer
Arthur Samuel Calman
Clarence Orion Cheney, A.B.
Stephen A. Chilian
James Livingston Cobb, A.B.
Walter Frank Cobb, B.P.E.
Ira Cohen, B.S.
Abbott Carson Combes, Jr.
Amédée Joseph Debon
Alfred Bernard Camille De Passe
Henry Sage Dunning, D.D.S.
Edgar Gerald Dustin
Henry Douglas Eaton
Samuel Eisler
Edward Cranch Ernst
Maurice Goldman, M.D.
George Munro Goodwin, A.B.

Roderick Vincent Grace, A.B.
John W. Gray
Fairfax Hall, Ph.B.
Harbeck Halsted
Melvin Gustav Herzfeld
Nathaniel Barnwell Heyward, A.B.
James Fitts Hill
Austin Latting Hobbs, A.B.
James Frederick Horn, A.M., B.D.
Robert Phineas Knapp
Howard Tracy Langworthy
Louis Oscar Levin
Fred Raymond Lewis, Ph.B.
Kevin David Lynch, A.B.
Paul Ely McChesney, A.B.
Charles Miles McKinlay, A.B.
Constantine Joseph MacGuire, Jr., A.B.
Hymen Rudolph Miller, B.S.
Guy Mount, A.B.
Vance Bishop Murray
Joseph Augustine O'Conor
[70]

Harold Blackman Osborn, B.S., M.D.
Howard Thomas Paffard, A.B.
Leo Smith Petersen
Howard Morton Phipps, A.B.
Edward Leander Pratt, A.B.
Daniel Rutgers Robert, Litt.B.
Lewis Byrne Robinson, A.B.
Marcus Adolphus Rothschild, A.B.
Clayton Elbert Royce, A.B.
Louis Clausen Schroeder
Frederick Wilson Scott, A.B.
Louis Sheinman
Homer Waldo Spiers, A.B.
Rufus Edwin Stetson, A.B.
David Dudley Stowell, A.B.
Nicholas Alfred Sullo
Cyril Sumner, A.B.
Burton Durrell Thorpe, A.B.
John Adolf Vietor, A.B.
Roscoe Walker, B.S.
Mark Hopkins Ward, A.B.
Pearl Caleb West, A.B., M.D.
John William Wurthmann, Phar.D.

Engineer of Mines

Frank Ashton Ayer
Thomas Mellor Bains, Jr.
Herbert Van Vlierden Baldwin, B.S. (October 3)
Harold Purdy Banks, A.B.
Homer Lyman Carr, A.B. (February 8)
Richard Cobden, Jr.
Howard Pinckney Corsa
Charles Eustace Dwyer, A.B.
Arthur Ransford Fletcher, A.B.
Joseph Ramon Guitéras
Albert Edward Hall
Harold Howe Hodgkinson (October 3)
James Milton Hoffman
Percy Reginald Iseman
Gustave A. Jahn, Jr.
Albert Allyn Leach, Jr.
Montrose L. Lee (February 8)
Edgar Owen McCann, A.B., A.M.
Eugene P. McCrorken (October 3)
Rudolph A. McGovern (October 3)
Samuel Melitzer, B.S.
Albert Mendelsohn
Clark Goodell Mitchell, A.B.
[46]

Perry North Moore, A.B. (October 3)
Thomas Charles Morgan, A.B.
Vincent I. Mulholland, A.B. (October 3)
Edmund Newton
Henry William Nieman, A.B.
Malcolm Lindsay O'Neale (October 3)
Lewis A. Parsons, Ph.B. (October 3)
George Laurence Peters
Gilbert Small Peyton, Jr.
James DeLong Philson
Curtis Pigott, Ph.B. (October 3)
George Hilliard Ross, A.B. (October 3)
David Burnet Scott, A.B.
Edward Eggleston Seelye, C.E.
Roger Louis Strobel
Cornelius George Sullivan
John Drury Tallant (October 3)
William Leonard Thomas, A.B.
Lester Seymour Thompson
Henry Joseph Völker
Cutler Bonestell Whitwell
Philip Danforth Wilson, B.S
Sidney Leo Wise

Metallurgical Engineer

Henry Butler Allen
Flint Cummings Elder (February 8)
Kenneth Sproat Guiterman
[6]

Leslie M. Kozminsky, E.M. (February 8)
Clarence Daniel Mapes
Granville Mercer Williams

Civil Engineer

Robert Wesley Briggs
William Ernst Buchtenkirch
Howard Thomas Cole
Norman Arthur Deiser
Robert Dreyfuss (October 3)
Martin Finkelstein
Morris Friedman
Ernest Henry Harder
Albert Henry Herter
William Benedict Jones
Arthur Francis de Jongh (October 3)
Charles Kandel
George Peter Kuzmier
Ferdinand Leiser, Jr.
Grover Cleveland Loening, B.S., A.M.
[28]
Louis Margolis, A.B.
Myron Gilbert Marum
Emil Gustave Meyer
Frederick W. Ockert
Archie Hartley Paterson
Harold Perrine, A.B., A.M. (October 3)
Felix Riesenberg
Morris S. Schapiro, B.S.
Thomas Edward Snook, Jr. (October 3)
Charles Burr Spencer, A.B. (October 3)
Sandor Schwartz Szanto, B.S.
Wilbur Drake Tupper
Charles Wolff

Electrical Engineer

Edward Thomas Caswell
Paul Richard Deschere
John Clarence Hale
Howard Sinton Hertzog
Charles Marcel Hirsch
[10]
Arthur John Holman
Frederick Rowe Keller
Richard Ellard Kinsman
Benjamin Liebowitz
Joseph Norris Murray

Mechanical Engineer

Albert Louis Baum
Ralph Blumenfeld
Clinton Brettell
Sidney Milton Clark
Frederick Stevens Frambach
Walter Frederichs
William Aloysius Gately
[15]
Alfred Leopold Jaros, Jr.
Edgar Jesse Kätz
Matthias Kirschberg
Frederick Thurlow Lacy
Otis Chamberlain Morrill, A.B.
Arthur Rowley Parker
Welles Hamilton Sellew, A.B.
Lillian Lee Vaughan, B.S.

Chemist

Luis Cacicedo, A.B., B.S.
[2]
Benjamin Horowitz

Chemical Engineer

Henry Michael Bach
Carl Haner, Jr., A.B.
Nathan Robert Levy
[6]
Donald Vaughn Lowe
Louis Schlichting, Jr.
Edward Albert Tschudy

Bachelor of Architecture

John Parks Almand
Samuel Brenner
Ellery Lothrup Davis
Victor Emmanuel Eberhard (October 3)
[7]
Erich Gugler
Robert Jahelka
Edward Cray Taylor (October 3)

Bachelor of Science in Architecture

GEORGE HICKENLOOPER (October 3)
[1]

Certificate of Proficiency

RUSSELL GEORGE SWARTWOUT] WALTER VAN DRESER
[2]

Bachelor of Music

ADOLPH KUGEL NORRIS LINDSAY NORDEN, B.S.
[2]

Bachelor of Science in Education

GRACE ALLINGHAM
MARY FRANCES ANDERSON
MARY ANNIE ARCHER
ALICE PENFIELD ATWOOD (October 21)
ISABEL V. BACÓ
ROSE ADÈLE BAIRD
LYDIA RAY BALDERSTON
JESSIE MARIE BARBER
MANUEL BARRANCO
WILLIAM T. BAWDEN (October 21)
MINNA DOROTHEA BEHR
NELLIE WARREN BIRDSONG
EDITH BLACKMAN
ISIDOR BERNARD BLUMBERG
CORA LOUISE BOEHRINGER
EDWARD W. BOSHART
OLIVE BOSTOCK
IDA ESTELLE BOYD
GRACE E. BRUNER
CHARLOTTE ADAM BUEMMING
LEILA R. GODFREY BURFITT
MABEL T. BURNHAM (October 21)
MARY FLORENCE CAHILL
SAMUEL NATHANIEL CAPLOW
SARAH TUCKER CARRINGTON
M. KATHERINE CHRISTIAN
MARION HOYT CHUTE
ANTONIO CIRINO
ROSE M. CLARK (October 21)
ANNA LOIS COFFEY
ADA BUELL COLBURN
KATHERINE ROSAMOND COLEMAN (February 24)
WILLIAM BENJAMIN COOK
CLARENCE GARFIELD COOPER
AGNES HOUSTON CRAIG (October 21)
HETTIE WEAKLEY CRAIGHEAD
HAZEL ALICE CRUMB
PHŒBE JANE DAVIDSON
MINNIE LEE DAVIS
GRACE ALICE DAY
VILLA AUGER DEEVEY (October 21)
JEANNETTE CLYDE DINGMAN
E. CLAIRE DINWIDDIE
AMALIA ADALIA DISCH
HELEN DONOVAN
LAURA FRANC EATON
GRATIA WINTHROP ELDRIDGE
MARY JAY ELDRIDGE
ESTELLE JAMES ELLISSON
GEORGIA BELLE ELWELL
LEILA ENDERS
RACHEL ERWIN
LURA MARY EYESTONE
JENNIE REBECCA FADDIS (April 21)
CLARA MAY FEENEY
ANNA FULLER FISHER (April 21)
MARGARET O'CONNOR FITZHUGH
ELIZABETH FLETCHER FONDA (October 21)
ALVA ELVIRA FORSSELL
MARY ELIZABETH FRAYSER
LOUISE FREER
ANNA JEANNETTE GANNETT
MARY LOUISE GARDNER
ELEANOR GAY
MARY JANE GENIN
MINNIE MYRTLE GESSFORD
CAROLINE MAUD GILBERT
TERRENCE WARD GILBERT
GERTRUDE GLADDING
EUGENE MICHAEL GOLLUP (April 21)
FRANKLIN PIERCE HAMM (October 21)
KATHERINE VAUGHN HARDING
AGNES ELLEN HARRIS
FLORENCE ETHEL HARVEY
CAROLYN BELL HAWK
FLORENCE MARY HEALY
BALBINA MARCELLA HESS
BESSIE MAY HICKS
AUGUSTO HIDALGO (January 20)
HELEN REBECCA HILDRETH (October 21)

Harriette Eliza Hinman
Charles J. Hoffmann
Elizabeth Gleason Holmes
Irene Emma Hoyt
Betty Joffé (February 24)
Elizabeth Johnson
Leila Glover Johnson
Louise Elizabeth Jones
Margaret Mordecai Jones
Mary Philippa Jones (February 24)
Elizabeth Beatrice Kelley
Augusta Hall Kemper
Margaret Agnes Kieran
Annie Blanche Kirk
Stella David Kisch
Merle Irene Koch
Walter Krumbeck
Margaret Ideson Ladd
Irene Mary Lanning
Anna Leland
Ray Lauder Leland
Mignon Levin
Gertrude May Lobdell
Amy Louise Logan
Anna Berta Longenecker
Elizabeth Cordelia Macpherson
Everett O. Maple
Helen Marks
Josephine Atlee Marshall
Florence Jane Martin
Carlota Matienzo
Emma Bunn Matteson
Emma Leonisa Maynard
Wilfrida Jane Messenger (October 21)
Elizabeth Meyjes
Klara Marie Michaelson (October 21)
Joseph Stewart Michtom
Isidore Miller
Mary Elizabeth Minahan
Kate Stackhouse Montgomery
Alleen Moon (October 21)
Carolyn Elizabeth Morrison
Mary Brunette Foster Nassau
Leonard John Nuttall, Jr.
Nell O'Brien (February 24)
Vera Faye Ogden
Blanche Marie Olin
Julia Louise Owens
Clara Pancake
Martha Patterson
Wilhelmina Pegram
Eo Pendleton
Mary Elizabeth Pennell
Sarah Elizabeth Pettit
Walter William Pettit
Julia Phillips
Florence Mary Pierpont
Ina Klosking Pitner
Nancy Huff Powell
Mary Brigham Pratt
América Puig
Anita Winifred F. Randolph
Gail Hamilton F. Randolph
Mary Maud Reed (February 24)
William Henry Reuther
Gertrude Rhoads
Clarinda Chapman Richards
Rachel Tasker Richardson
Harold Lopides Ritt
Mabel Vera Rivers
Elizabeth Meikle Roach
Ethel Minerva Roach
Lulie Niles Robbins (February 24)
Annie L. Robinson (October 21)
Bertha May Rogers
Helena Mabel Ryland
Blanche Sameth
Elsie Sameth
Juliane Marie Auguste Sarauw (October 21)
Emilie Schneider
Edward Edwin Schwartz
Isadore Krell Schwartz (October 21)
Louise Humphrey Seely
Caroline Lizetta Shaffner
Margaret Moe Simmons (April 21)
Katherine Aby Simpson
Alice Madeleine Smart (February 24)
Frank Drake Smith
Helen Smith
Mary Goodwin Smith
Nellie Carson Smithey
Esther King Snoddy (October 21)
Anna Eleanor Snyder
Muriel Isobel Speller
Harriet Monfort Spining
Ellen Steele
Eleanor Grace Stewart
Hugh Henry Stewart
Isabel Maitland Stewart
Jean Josephine Stewart
Minnie Margaret Stiles (February 24)
Sara Porter Strong
Alice Stephanie Sullivan
Beatrice Sumner
Ida Marie Swanson
Alice Lillian Thomas
Frieda Morse Thomas
Marion Kendall Thompson
Edna Parrish Tiffany
Helen Faville Topping

Helena Fredericka Trieschmann
Faung-Yuin Tsao
William Douglass Van Auken
Bernard Joseph Van Ingen
Marvin James Van Wagenen
Charlotte Augusta Waite
Alice Rebecca Wallin
Grace Louise Wayman
Julius Jay Weil
Blanche Wylie Welzmiller
Mabel Hubbard Wheeler (January 20)
Belle Wiley
[214]
Elise Sweet Wiley
Annie Jones Williams
Anna Teer Wilson (April 21)
Mary Margaret Wilson
Almira Munn Winchester
Joseph Scott Wiseman (February 24)
Rosa K. Witter
Caroline Conklin Wood
Elizabeth Ash Woodward
Ina Yoakley (February 24)
Mary Amelia Yoran
Emma Zenneck

Doctor's Diploma in Education

Carter Alexander (October 21)
Louis Benjamin Blan
Frederick Gordon Bonser (October 21)
Samuel Windsor Brown
Bailey Barton Burritt
Lotus Delta Coffman
Edward Augustus Fitzpatrick
[15]
Alexander James Inglis
Walter Albert Jessup
Charles Henry Keyes
Cecil Fairfield Lavell
Abby Porter Leland
William Louis Rabenort (April 21)
Clarence Hall Robison
Joseph King Van Denburg

Master's Diploma in Education

Biology

Anna Emma Everson
Clara Louise Williams

Educational Administration

William Asher
Harold Barnes
D'Arcy Cornwell Barnett
Charles Winne Blessing
Samuel Joseph Branch
Frederic Hugo Doeden
Spright Dowell
Eugene Bernard Gartlan
Watson Gienger
Mason Albert Hawkins (October 21)
George Hetzel
Franklin Keller (October 21)
Meredith Darlington Morris
Frank James Platt
Allen Mead Ruggles
Heber Hynds Ryan
Frank Marion Shelton
Lionel Julius Simmonds
George Everett Walk
James Madison Wood

Educational Philosophy

May Louise Alder
Orville Gilbert Brim
Lucy May Ellis (February 24)
Walter John Gifford
Edward Cornell Zabriskie

Educational Sociology

Hu Ting Chien
Euphan Washington Macrae
Everett Belknap Tewksbury

Elementary Education

Elizabeth Starbuck Adams
Bessie Lee Gambrill
James Collins Miller (October 21)
Nicholas Orem (October 21)
George Lucas Roberts (October 21)

Elementary Supervision

Florence Isabella Blades
Lilian Louise Crafts
Katherine Mary Hedges Hall
Seiichiro Nishimura
James Michael O'Gorman
Peter Olai Österhus
Alma Mary Patterson
John L. G. Pottorf
George D. Sutton

English

Harriet Louisa Barber
Josephine Osborne Bostwick
Helen Winifred Bryant
William Eugene Vaughan

German

Anna Elsie Bernkopf (October 21)

History

Gilbert DeMorest Deere
Reuel Raymond Neil Gould

History of Education

Rouper Stepan Racoubian

Household Administration

Mary Kezia Hartzell

Household Arts

Juliet Oakes Rogers

Industrial Education

Clara Rachel Bennett
George Edward Webster

Kindergarten Supervision

Mary Louise Alder

Latin

Ruth Parker

Mathematics

Elizabeth Mitchell Back
Helen Alice Dulin
Clara Cecilia Eaton
Florence James Flynn
Antoinette Dyett Hill
Gertrude Elaine Preston
Henrietta V. Race

Nutrition

Anna Euretta Richardson
Loretta Mae Wallace

Physical Education

Evelyn May Goldsmith
D. Grace Greenwood
Charles Finney Tambling
Frederic Albert Woll

Physical Science

Frederick Foreman Good

Secondary Education

Claude Towne Benjamin
George Washington Camp (October 21)
Elizabeth Carse
John Scholl Hosterman (October 21)
Lazarus E. Marks
[82]
Minna McEuen Meyer
Robert Henry Rippere (October 21)
Rebecca Jane Slaymaker (October 21)
Elise Timberlake
Lutie Louise Wheeler

Bachelor's Diploma in Education

Biology

Lura Mary Mack
Louise Humphrey Seely
Eleanor Grace Stewart
Faung-Yuin Tsao
Grace Louise Wayman
Helen Wilkes
Elizabeth Ash Woodward

Domestic Art

Rose Adèle Baird
Georgia Belle Elwell
Annie Fuller Fisher (April 20)
Harriette Eliza Hinman
Anna Leland
Josephine Atlee Marshall
Martha Patterson
Ina Klosking Pitner
Annie L. Robinson (October 21)
Frieda Morse Thomas
Caroline Conklin Wood
Mary Amelia Yoran

Domestic Science

Grace Allingham
Lydia Ray Balderston
Jessie Marie Barber
M. Katherine Christian
Ada Buell Colburn
Hettie Weakley Craighead
Jeanette Clyde Dingman
Laura Franc Eaton
Clara May Feeney
Eleanor Gay
Agnes Ellen Harris
Augusta Hall Kemper
Josephine Atlee Marshall
Emma Bunn Matteson
Blanche Olin
Clara Pancake
Sarah Elizabeth Pettit
Julia Phillips
América Puig
Anita Winifred F. Randolph
Gail Hamilton F. Randolph
Ethel Minerva Roach
Helena Mabel Ryland
Blanche Sameth
Helen Smith
Jean Josephine Stewart
Minnie Margaret Stiles (February 24)
Sara Porter Strong
Ida Marie Swanson
Alice Lillian Thomas
Alice Rebecca Wallin

Educational Psychology

Eugene Michael Gollop (April 21)
Mignon Levin
Gertrude May Lobdell

Elementary Supervision

Mary Frances Anderson
Manuel Barranco
Nellie Warren Birdsong
Isidor Bernard Blumborg
Cora Louise Boehringer
Olive Bostock
Clarence Garfield Cooper
Minnie Lee Davis

Grace Alice Day
Margaret O'Connor Fitzhugh
Mary Elizabeth Frayser
Mary Louise Gardner
Franklin Pierce Hamm (October 21)
Bessie May Hicks
Elizabeth Johnson
Everett O. Maple
Klara Marie Michaelson (October 21)
Carolyn Elizabeth Morrison
Leonard John Nuttall
Nell O'Brien (February 24)
Walter William Pettit
Mary Maud Reed (February 24)
Bertha May Rogers
William Douglass Van Auken
Julius Jay Weil
Annie Jones Williams
Belle Wiley
Rosa K. Witter

English

Helen Lorene Amy
Mabel Towne Burnham (October 21)
Samuel Nathaniel Caplow
Rose M. Clark (October 21)
Phœbe Jane Davidson
Estelle James Ellisson
Minnie Myrtle Gessford
Charles J. Hoffman
Annie Blanche Kirk
Merle Irene Kock
Isidore Miller
Kate Stackhouse Montgomery
Alleen Moon (October 21)
Agnes Nobis
Florence Mary Pierpont
Gertrude Rhoades
Harold Lopides Ritt
Mabel Vera Rivers
Mary Goodwin Smith
Anna Eleanor Snyder
Helena Fredericka Trieschmann
Marvin James Van Wagenen
Blanche Wylie Welzmiller
Emma Zenneck

Fine Arts

Minna Dorothea Behr
Ida Estelle Boyd
Marion Hoyt Chute
Antonio Cirinio
Florence E. Clark
Caroline Maud Gilbert
Louise Elizabeth Jones
Clarinda Richards
Rachel Richardson
Elizabeth Meikle Roach
Mary Margaret Wilson

French

Edith Crowell Burns
Amelia Aurélie Clément
Elizabeth Meyjes
Emilie Schneider
Angelina Seveso

Geography

Elizabeth Johnson

German

Emilie Elizabeth Margaret Bruning
Therese Cassel
Katherine Vaughan Harding
Alice Taylor Hill
Betty Joffé (February 24)
Elizabeth Meyjes
Juliane Auguste Marie Saramo (October 21)
Emilie Schneider
Edward Edwin Schwartz
Isidore Krell Schwartz (October 21

Grammar Grade Teaching

Harriet Monfort Spining
Caroline Lizetta Shaffner

History

Mary Annie Archer
Edith Crowell Burns
Amalia Adalia Disch
Ray Lauder Leland
Anna Bertha Longenecker
Julia Louise Owens
Wilhelmina Pegram
Mabel Jean Reid
Caroline Lizetta Shaffner
Marion Kendall Thompson

Industrial Arts

Edward William Boshart
Antonio Cirino
Anna Lois Coffey
Terrence Ward Gilbert
Prudentia Browne Gowell
Augusto Hidalgo (January 20)
Leila Glover Johnson
Walter Krumbeck
William Henry Reuther
Hugh Henry Stewart

Kindergarten Supervision

Sara Bostwick
Villa Augur Deevey (October 21)
Irene May Lanning
Mary Elizabeth Pennell
Mary Brigham Pratt
Almira Munn Winchester

Kindergarten Teaching

Mary Jay Eldridge
Leila Enders
Rachel Erwin
Gertrude Gladding
Irene Hoyt
Helen Marks
Florence Jane Martin
Vera Faye Ogden
Beatrice Sumner
Edna Parrish Tiffany
Helen Faville Topping

Latin

Margaret Albright
Henry Berkowitz (February 24)
Sarah Tucker Carrington
Therese Cassel
William Casper Dorr
Grace Green Lovell
Emma Leonisa Maynard
Wilfrida Jane Messenger (October 21)
Nancy Huff Powell
Esther King Snoddy (October 21)
Bernard James Van Ingen

Mathematics

Isabel V. Baco
Josephine Adèle Bosch
Eleanor Burne
Amelia Aurélie Clément
William Benjamin Cook
Alva Elvira Forssell
Lottie June Greiff
Margaret Mordecai Jones
Anna Augusta Kugler
Joseph Stewart Michtom
Helen Maud Porter
Anna Lucile Reed
Angelina Seveso
Katherine Simpson
Nellie Carson Smithey
Ellen Steele
Elise Sweet Wiley

Music

Elizabeth Naomi Gray

Primary Grade Teaching

Eo Pendleton

Physical Education

Grace E. Bruner
E. Claire Dinwiddie
Gratia Winthrop Eldridge
Louise Freer
F. Ethel Harvey
Florence Mary Healey
Stella David Kisch
Margaret Ideson Ladd
Elizabeth Cordelia Macpherson
Elsie Sameth
Alice Madeleine Smart (February 24)
Frank Drake Smith

Physical Science

Hazel Alice Crumb
Lottie June Greiff
Ina Yoakley (February 24)

Primary Supervision

Olive Bostock
Anna Jeannette Gannett
[220]
Alice Stephanie Sullivan
Anna Teer Wilson (April 21)

Pharmaceutical Chemist

Marion Astarita, Ph.G.
Frank J. Brannigan, Ph.G.
Harry L. Hermes, Ph.G.
Frank L. Hunt, Ph.G.
John J. Loughlin, Jr., Ph.G.
[11]
Arthur Machol, Ph.G.
Leon M. Monell, Ph.G.
Solomon Morris, Ph.G.
Victor A. Robinson, Ph.G.
Theodore Weicker, Ph.G.
Samuel Wilkinson, Ph.G.

Doctor of Pharmacy

Robert F. Blume, Ph.G., Ph.C.
[3]
Roddie Minor (Miss), Ph.G., Ph.C.
Walter Regnault, Ph.G., Ph.C.

Master of Arts

Saul Bernard Ackerman
B.S. C. C. N. Y. 1908.
Elizabeth Starbuck Adams
A.B. Wellesley 1896.
Florence L. Adams
B.L. Mt. Holyoke 1893.
Orrin Wilson Albert
A.B. Otterbein 1909.
Margaret Albright
A.B. Coe Coll. 1909.
Mary Louise Alder
A.B. Kansas State 1904.
Carlo C. Altarelli
B.D. Union Theol. Sem. 1910.
Josephus Courtenay Anderson
A.B. Wofford Coll. 1906, A.M. 1907.
Mary Anderson
A.B. Lake Forest 1905.
Mary Perle Anderson
B.S. Mt. Holyoke 1890.
Elizabeth Williams Anthony
A.B. Bates 1908.
Alexander Appel
B.S. 1909.
William Asher
B.S. C. C. N. Y. 1901, LL.B. N. Y Law Sch. 1906.
Matthew Gruenberg Bach
A.B. Trinity (Conn.) 1910.
Elizabeth Mitchell Back
A.B. 1908.
Connie Cazette Barbee
A.B. North Carolina 1910.
Frank Weston Barber
B.S. 1910.

HAROLD BARNES
A.B. Kansas State 1892.
D'ARCY CORNWELL BARNETT
A.B. Maryland Agr'l Coll. 1898, A.M. 1907.
CHARLES HOBBY BASSFORD
B.S. Trinity Coll. (Conn.) 1910.
GEORGE JEREMIAH BECKER
A.B. Syracuse 1906.
CLAUDE TOWNE BENJAMIN
A.B. CORNELL 1897.
CLARA RACHEL BENNETT
B.S. 1908.
ANNA ELISE BERNKOPF
B.S. 1909.
(October 18)
MARGARETE ANNA MARIE BERNKOPF
Königliches Lehrerinnenseminar Dresden 1888.
ALICE TOWNSEND BIDWELL
A.B. Mt. Holyoke 1899.
PAUL BILLINGSLEY
A.B. 1908.
FLORENCE ISABELLA BLADES
A.B. ELMIRA 1905.
CHARLES WINNE BLESSING
A.B. Union 1888, S.T.B. Boston Univ. 1893
HELENE MARIE BOAS
A.B. 1909.
(February 21)
GEORGE ADDISON BOLE
B.S. Geneva Coll. 1906.
JOSEPHINE OSBORNE BOSTWICK
A.B. Acadia Coll. 1901.
HERBERT ALEXANDER BOYD
A.B. Toronto 1909.
SAMUEL JOSEPH BRANCH
A.B. Lincoln Univ. 1902, A.M. 1905; B.D. Union Theol. Sem. 1907.
CARL BRANDS
A.B. 1906.
ORVILLE GILBERT BRIM
B.S. Valparaiso 1907.
ETHEL ELIZABETH BROWN
A.B. Toronto 1904.
ORVILLE M. BRUNSON
B.S. Earlham 1906.
HELEN WINIFRED BRYANT
A.B. Smith 1902.
JONAS FRANKLIN BUCHER
A.B. Franklin and Marshall 1903.
MARJORIE BURR
A.B. Vassar 1899.
EUNICE BURTON
A.B. Mt. Holyoke 1908.
GEORGE WASHINGTON CAMP
A.B. Emory Coll. 1896.
(October 18)
EDWARD FRANCIS CAREY
A.B. Michigan 1898; S.T.B. Andover 1901.
CHARLES ANTONINUS CARROLL
A.B. Cornell 1910.
ELIZABETH CARSE
A.B. N. Y. Normal Coll. 1893, Ph.B. Cornell 1895.
MARY LOUISE CHASE
A.B. Smith 1908.
SHAO-KWAN CHEN
A.M. Imperial Univ. of Pekin 1908.
HU TING CHIEN
A.B. Harvard 1910.
ANDREW MIDDLETON CHILD, JR.
A.B. 1909.
CHAO-HSIN CHU
A.M. Imperial Univ. of Pekin 1907.
ELLA HAZEL CLARK
A.B. Illinois 1905.
LORA MINNIE CLARK
B.S. 1909.
ROSE MAY CLARK
B.S. 1910.
ORAL SUMNER COAD
A.B. Knox 1909.
FLORENCE COLBY
A.B. Denver Univ. 1909.
(February 21)
PAUL COLEMAN
A.B. Pittsburg 1905.
WILLIAM CARITHERS COLEMAN
A.B. Pittsburg 1909.
ELIZABETH BROWNELL COLLIER
A.B. Vassar 1906.
ROBERT COMIN
A.B. Princeton 1897.
JOHN EARL CONN
A.B. Findlay Coll. 1910.
GEORGE BENSON COX
A.B. Western Univ. London (Canada) 1906, B.D. Trinity Univ. Toronto 1910.
LILIAN LOUISE CRAFTS
A.B. Rochester 1906.
EARL W. CRECROFT
Ph.B. Franklin 1907.
OTELIA CROMWELL
A.B. Smith 1900.
(October 18)
ANNA MILLS CUDDEBACK
A.B. Vassar 1902.

LEONARD HAROLD DAVIDOW
B.S. 1910.

HARRY THADDEUS DAVIMOS
A.B. 1910.

AMY ELIZA DAVIS
Ph.B. Wesleyan 1904.

GILBERT DEMOREST DEERE
Ph.B. Franklin Coll. 1903.

MARY CELIA DEMAREST
A.B. 1909.

ARTHUR DICKSON
B.S. C. C. N. Y. 1909.

WILLIAM WARREN DIMMICK
LL.B. N. Y. Univ. 1906.

FREDERIC HUGO DOEDEN
A.B. Illinois 1904.

SPRIGHT DOWELL
A.B. Wake Forest Coll. 1896.
(October 18)

NOEL THOMAS DOWLING
A.B. Vanderbilt 1909.

OTIS HERBERT DRAPER
A.B. Johns Hopkins 1910.

HELEN ALICE DULIN
A.B. Randolph-Macon Woman's Coll. 1903.

SAMUEL GLOVER DUNSEATH
A.B. Ursinus 1910.

FREDERIC CROOK EASTMAN
A.B. Williams 1896, M.D. Long Island Coll. 1899.

CLARA CECILIA EATON
A.B. 1908.

MOSES ECKSTEIN

ROSE FRANCES EGAN
A.B. Syracuse 1900.

LUCY MAY ELLIS
A.B. Goucher Coll. (Baltimore) 1908.
(February 21)

LEWIS EPSTEIN
A.B. 1909.

PERCY ELWOOD ERICKSON
A.B. Dartmouth 1906.

THUISCO ARTHUR ERPF-LEFKOVICS
B.S. C. C. N. Y. 1910.
(February 21)

ANNA EMMA EVERSON
B.S. 1908.

ANNA EVES
A.B. Earlham 1907.

GEORGE MARCUS FALION
A.B. 1905.
(October 18)

CHARLES REINHARD FETTKE
B.S. Washington 1910.

JAMES KIP FINCH
C.E. 1906.

RUTH STELLA FINCH
A.B. Smith 1906.

BESS LUTE FISHBACK
A.B., B.S. Washington State Coll. 1910.

FLORENCE JAMES FLYNN
A.B. Ohio State 1896.

DANIEL FOLEY
A.B. Boston Coll. 1901.
(February 21)

HARRIET RUTH FOX
A.B. 1910.

MAUDE MORRISON FRANK
A.B. N. Y. Normal Coll. 1907.

MARIE HARRIET FRARY

BESSIE LEE GAMBRILL
A.B. Western Maryland Coll. 1902.

MANUEL GAMIO
Equiv. A.B. Escuela Preparatoria, Mexico City, 1906.

EUGENE BERNARD GARTLAN
B.S. C. C. N. Y. 1898, LL.B. N. Y. Univ. 1900.

RICHARD GARVEY, JR.
B.S. St. Vincent's Coll. 1905.

MARIAN LATHROP GIBSON
A.B. 1910.

WATSON GIENGER
A.B. Dickinson 1907.

WALTER JOHN GIFFORD
A.B. Oberlin 1907.

LOGAN S. GILLENTINE
B.S. Burritt Coll. 1898, A.B. Nashville Bible Coll. 1900.

JAMES PACKARD GILLESPIE
A.B. 1905, B.D. Union Theol. Sem. 1907.

EVELYN MAY GOLDSMITH
B.S. 1910.

FRED FOREMAN GOOD
A.B. Juniata 1909.

MARY GOULD
A.B. Minnesota 1907.

REUEL RAYMOND NEIL GOULD
A.B. Michigan 1901.

JAMES EAKINS GRAY
A.B. 1909.

ALEXANDER GREEN
A.B. C. C. N. Y. 1910.

GRACE GREENWOOD
B.S. 1908.

EDITH GRIFFIN
A.B. Kansas 1907.

NED GRAY GRIFFIN
B.S. Dartmouth 1910.
JENNIE KELSO GUTHRIE
A.B. Mt. Holyoke 1899.
GAMBLE HALL
B.S. N. Y. Univ. 1908.
KATHARINE MARY HEDGES HALL
A.B. STANFORD 1909.
MARGARET WOODBURN HALL
A.B. Vassar 1903.
(February 21)
SHERWOOD ESTABROOK HALL
WILLIAM HALLER
A.B. Amherst 1908.
RUTH GILLETTE HARDY
A.B. 1909.
FRANK HECTOR HARRIN
A.B. Kansas State Normal 1910.
ERNST WILLIAM HARTUNG
A.B. 1910.
MARY KEZIA HARTZELL
B.S. Minnesota 1909.
HENRY QUINBY HAWES
A.B. Bowdoin 1910.
MABEL CARY HAWES
A.B. Wellesley 1891.
(February 21)
MASON ALBERT HAWKINS
A.B. Harvard 1901.
(October 18)
GRACE ALTHEA HAYWARD
A.B. Kansas 1905, A.M. 1907.
GERTRUDE MARY HEAPHY
B.S. 1908.
JULIA RYON HENNING
A.B. 1910.
GEORGE HETZEL
A.B. Kansas Normal Coll. 1910.
CLARA KENNEDY HICKS
B.S. Mt. Holyoke 1892.
ANTOINETTE DYETT HILL
A.B. 1910.
MARY EDITH HOLMES
A.B. Michigan 1903.
MERLE MONTGOMERY HOOVER
A.B. Lebanon Valley Coll. 1906.
(February 21)
ELIZABETH FULLER HOPSON
A.B. Vassar 1905.
LYDIARD HORTON
A.B. Williams 1901.
JOHN SCHOOL HOSTERMAN
A.B. Franklin and Marshall 1904.
(October 18)
MARION HOUGHTON
A.B. Bryn Mawr 1906.
LYMAN J. HOWES
A.B. Leland Stanford 1906.
ELEANOR CARY HUNSDON
A.B. 1908.
GERTRUDE LAURA HUNTER
A.B. 1910.
FALBA LOVE JOHNSON
A.B. Columbia Coll. for Women, S. C., 1905.
HANNAH MAY JOHNSON
A.B. George Washington Univ. 1906.
ROBERT ZACHARIAH JOHNSTONE
A.B. Virginia Union 1908.
JOHN CLARK JORDAN
A.B. Knox Coll. 1908.
(February 21)
MYRTLE JEANNETTE JOSEPH
A.B. California 1900.
POA-VUNG JUI
Ph.B. Yale 1909.
MAX KAHN
M.D. Cornell 1910.
ELIAS RAAS KAUFMAN
A.B. Vanderbilt 1909.
ALBERT SAMUEL KEISTER
A.B. Otterbein 1910, B.Mus. 1910.
FRANKLIN JEFFERSON KELLER
B.S. C. C. N. Y. 1906.
(October 18)
BENJAMIN BURKS KENDRICK
B.S. Mercer Univ. 1905.
(February 21)
ROLAND STUART KETCHUM
A.B. 1910.
HOWARD CARSON KIDD
A.B. Geneva 1908.
THOMAS BRUCE KIRKPATRICK
B.S. 1910.
YOSHIWO KITAHARA
Equiv. LL.B. Waseda, Tokyo, 1905.
JOHN ANTON KLEIN
Ph.B. Central Wesleyan Coll. 1906.
ANNA ELIZABETH KURTZ
Ph.B. Ohio 1901.
HARRY KURZ
A.B. C. C. N. Y. 1909.
VICTOR DE LA FLOR
(February 21)
EMMA MAY LANEY
A.B. Mississippi State Coll. for Women 1906.
WILLARD SAMUEL LANGTON
B.S. Agr. Coll. of Utah 1896.
LOUISE DODDRIDGE LARIMORE
A.B. Wellesley 1910.

FRANK CHARLES LAUBACH
A.B. Princeton 1909.
LEONARD AXEL LAWSON
A.B. Upsala Coll. 1909.
HILMA LEERS
A.B. 1904.
(October 18)
MICHAEL LEVINE
B.S. C. C. N. Y. 1906.
(October 18)
VICTOR EMMANUEL LEVINE
A.B. C. C. N. Y. 1909.
CHARLES LEE LEWIS
B.S. Burritt Coll. 1903, A.B. Tennessee 1906.
LEICESTER CROSBY LEWIS
A.B. 1910.
LESTER MILES LIVENGOOD
B.L. Whitman 1908.
DORIS LONG
A.B. 1910.
LOUIS HENRY LUBARSKY
B.S. C. C. N. Y. 1904.
(February 21)
LORENZO GRENVILLE LYON
A.B. Princeton 1892, A.M. 1895.
(October 18)
JOHN DALY MCCARTHY
B.S. Dartmouth 1908.
CLARA FRANCES MCINTYRE
A.B. Radcliffe 1900.
MINNIE ELIZABETH MCKENZIE
Ph.B. Chicago 1905.
JOHN MILLER MCLAUGHLIN
B.S. Mt. Union 1900.
WILLIAM GERALD MCLOUGHLIN
A.B. St. Francis Xavier 1907.
AMELIA MCMINN
B.S. Wisconsin 1895.
YIN CH'U MA
A.B. Yale 1910.
LURA MARY MACK
A.B. Vassar 1905.
EUPHAN WASHINGTON MACRAE
Ph.B. Chicago 1901.
WILLIAM MANSFIELD
Ph.G. 1903, Phar.D. 1904.
LAZARUS EMMANUEL MARKS
B.S. 1910.
LEOLA ETHEL MARRS
A.B., B.S. West Virginia 1905.
MARVIN GARFIELD MASON
A.B. Dickinson 1906.
ESTHER MATSON
A.B. Woman's Coll. of Baltimore 1897.
(February 21)

ALEXANDER MACPHERSON MEIKLE
A.B. Wabash 1908, B.D. Union Theol. Sem. 1911.
NORHERT JOHN MELVILLE
A.B. C. C. N. Y. 1904.
WILFRIDA JANE MESSENGER
B.S. 1910.
LOUISE GERTRUDE WAGMANN METZGER
B.S. 1907.
MINNA MCEUEN MEYER (Mrs.)
B.S. 1908.
JAMES COLLINS MILLER
B.S. Throop Polytechnic Inst. 1907.
(October 18)
VICTOR GARFIELD MILLS
Ph.B. Western Reserve 1904.
CHARLOTTE MOORE
Ph.B. Cornell 1899.
(February 21)
WINIFRED TOOLEY MOORE
(February 21)
MEREDITH DARLINGTON MORRIS
A.B. Mt. Union 1895, A.M. 1901; A.B. Harvard 1896.
EDGAR KEER MORROW
A.B. Ohio Wesleyan 1905, B.D. Union Theol. Sem. 1911.
HERMANN JOSEPH MULLER
A.B. 1910.
HENRI CHARLES NEEL
Equiv. A.B. Sorbonne 1909.
HELEN NEWBOLD
A.B. 1909.
SEIICHIRO NISHIMURA
NORRIS LINDSAY NORDEN
B.S. 1909.
EDWARD JOSEPH O'CONNELL
A.B. 1906.
ELIZABETH BARRETT O'FARRELL
A.B. Coll. of St. Angela 1908.
(October 18)
JAMES MICHAEL O'GORMAN
B.S. 1909.
LAURA VIRGINIA O'HANLON
A.B. N. Y. Normal Coll. 1910.
LUCY EVELYN ONGLEY
A.B. Smith 1908.
NICHOLAS OREM
A.B. St. John's Coll. Annapolis 1895, A.M. 1910.
(October 18)
PETER OLAI OSTERHUS
B.S. Valparaiso 1906.
SOSUKE OTSUKE
Equiv. A.B. Tokyo 1909.

ELIZABETH ANNE PAGE
A.B. Syracuse 1907.
RUTH PARKER
A.B. Smith 1908.
MIRIAM GREENE PASLAY
A.B. Mississippi State Coll. for Women 1889.
ALMA MARY PATTERSON
A.B. Stanford 1900.
WILLIAM DEFOREST PEARSON
A.B. 1910.
GEORGE ADAM PFEIFFER
M.E. Stevens 1910.
MAURICE PICARD
A.B. 1910.
FRANK JAMES PLATT
A.B. Beloit 1908.
JOHN L. G. POTTORF
A.B. Mt. Union Coll. 1903.
ALMA WEBSTER POWELL
LL.B. N. Y. Univ. 1900, B.Mus. 1910.
CHILTON LATHAM POWELL
A.B. Amherst 1907, A.M. 1908.
GERTRUDE ELAINE PRESTON
Ph.B. Iowa State 1898.
JULIUS JOSEPH PRICE
A.B. Pennsylvania, 1908.
MICHAEL PUORRO
B.S. 1909.
MIGNON QUAW
B.S. Montana State 1902.
HENRIETTA VIOLA RACE
Ph.B. Lawrence Coll. 1900.
A.M. Baker Univ. 1909.
ROUPEN STEPAN RACOUBIAN
B.S. 1910.
ANNA LUCILE REED
A.B. Pomona 1910.
CASS ARTHUR REED
B.S. Pomona 1906, B.D. Union Theol. Sem. 1911.
HELEN LEES REETS
A.B. Wilson 1910.
NANNIE HERNDON RICE
A. B. Mississippi State Coll. for Women 1905.
ANNA EURETTA RICHARDSON
B.S. Nashville 1903.
MORGAN THOMAS RILEY
A.B. Yale 1907.
ROBERT HENRY RIPPERE
A.B. Wesleyan 1905.
(October 18)
GEORGE LUCAS ROBERTS
A.B. Indiana 1894.
(October 18)
JAMES HOWARD ROBINSON
A.B. Hamline 1908, B.D. Union Theol. Sem. 1911.
JULIET OAKES ROGERS
B.S. 1909.
LILLIAN ROSANOFF
A.B. 1908.
GEORGE JACOB ROSENTHAL
A.B. 1910.
HENRY HOSIE ROWLAND
A.B. Harvard 1906, B.D. Union Theol. Sem. 1911.
ALLEN MEAD RUGGLES
A.B. Wisconsin 1906.
ELMER BEECHER RUSSELL
Ph.B. Vermont 1906.
HEBER HINDS RYAN
B.S. Whitman Coll. 1906.
LUIS EMLYNN SALAS
B.S. London Univ. 1904.
JULIANE MARIE AUGUSTE SARAUW
B.S. 1910.
EDNA REBECCA SCALES
A.B. 1909.
WILLIAM STORB SCHLAUCH
B.S. Pennsylvania 1903.
(October 18)
ARTHUR MEIER SCHLESINGER
A.B. Ohio State 1910.
MILDRED DESHON SCHLESINGER
A.B. 1910.
JULIA SCHOENFELD
A.B. Allegheny Coll. 1897.
CARL ALOIS SCHWARZE
B.S. Mississippi 1909.
NELLIE BARNEY SERGENT
A.B. Smith 1906.
FRANK M. SHELTON
B.S. Mt. Union Coll. 1899.
BIRL EARL SHULTZ
A.B. DePauw 1909.
CECILIA MINNA SILLCOX
A.B. 1908.
LIONEL JULIUS SIMMONDS
A.B. C. C. N. Y. 1903.
REBECCA J. SLAYMAKER
B.S. 1909.
(October 18)
NELLIE MAY SMITH
A.B. Vassar 1898.
NOBLE HIRAM SMITH
Ph.B. Drake 1910.
NADINE HOPE STEIN
A.B. N. Y. Normal Coll. 1910.
WALTER MITCHELL STEPHEN
B.S. Washington State Coll. 1907.

CECIL GARDNER STEVENS
A.B. Bishop's Univ. (Canada) 1908.
WILLIAM BERTRAND STEVENS
B.D. Cambridge Epis. Theol. School 1910.
GEORGE DOUGLAS SUTTON
B.S. Alma Coll. 1908.
CHARLES FINNEY TAMBLING
A.B. Oberlin 1895.
JOSEPH BYRON TARNEY
A.B. Indiana 1902.
EVERETT BELKNAP TEWKSBURY
A.B. Harvard 1899.
JOHN FURMAN THOMASON
B.L. Furman Univ. 1900, A.B. 1903.
(February 21)
ALICE RANNEY THOMPSON
B.S. California 1906.
EDWARD OLE THORPE
A.B. Williams 1903.
ELISE TIMBERLAKE
B.S. 1910.
RAVAUD HAWLEY TRUAX
A.B. Hamilton 1909.
SARAH BOYD TUCKER
A.B. Winthrop Coll. 1903.
(October 18)
LEVERING TYSON
A.B. Pennsylvania Coll. 1910.
ELSA UELAND
A.B. Minnesota 1909.
HESTER ANNE VAN ARSDALE
A.B. Vassar 1910.
EDGAR FLANDREAU VAN BUSKIRK
A.B. Rochester 1907.
(February 21)
WILLIAM EUGENE VAUGHAN
A.B. Peabody Coll. 1900.
ALEXANDER VAZAKES
ADELAIDE BRAINERD VENTRES
A.B. Smith 1888.
JOSEPH VITAL
CAROLINE ELIZA VOSE
A.B. Wellesley 1910.
EDWIN CHARLES WADE
A.B. Hampden-Sidney Coll. 1907.
(February 21)
GEORGE EVERETT WALK
A.B. Ohio Wesleyan 1899.
ROBERT BOYD WALKINSHAW
Ph.B. Wooster 1905.

LORETTA MAE WALLACE
B.S. Purdue 1910.
FREDERICA WARNER
Ph.B. Rochester 1909.
JAY ODELL WARNER
Ph.B. Wooster 1906.
ULYSSES GRANT WARREN
Ph.B. Syracuse 1896.
GEORGE EDWARD WEBSTER
B.S. Bucknell 1908, M.S. 1910.
EDITH WELLE
A.B. 1905.
(October 18)
CLARA WELLS
A.B. N. Y. Normal Coll. 1909.
LUTIE LOUISE WHEELER
A.B. N. Y. State Normal Coll. 1910.
GEORGE FRISBIE WHICHER
A.B. Amherst 1910.
KARL ERROLL WHITAKER
B.S. Vanderbilt 1909.
ALVIN LINCOLN WHITE
B.S. Bethany Coll. 1886, A.M. 1889.
GOODRICH COOK WHITE
A.B. Emory 1908.
FRANCIS WIEN
A.B. C. C. N. Y. 1900.
HELEN CHAPMAN WILCOX
A.B. Vassar 1908.
MARY ADELINE WILLARD
A.B. Knox 1904.
CLARA LOUISE WILLIAMS
A.B. McGill 1907.
WINWORTH WILLIAMS
A.B. Drake 1904.
ROLLO LINSMORE DE WILTON
A.B. 1910.
(February 21)
ADAH BINFORD WINSLOW
A.B. Virginia Coll. 1891, A.M. Virginia Wesleyan 1893.
FREDERIC ALBERT WOLL
B.S. 1910.
JAMES MADISON WOOD
A.B., B.S. Missouri 1907.
IN YOUNG
Ph.B. Yale 1908, E.M. Lehigh 1910.
EDWARD CORNELL ZABRISKIE
B.S. C. C. N. Y. 1893.
OLGA OLIVE VON ZELLEN
A.B. Michigan 1905.

Doctor of Philosophy

LE ROY ABRAMS
A.B. Leland Stanford 1899, A.M. 1902.
Dissertation: A phyto-geographical and taxonomic study of the Southern California trees and shrubs.
(October 18)

CARTER ALEXANDER
B.S. (Educ.) Missouri 1905, A.B. 1906, A.M. 1908.
Dissertation: Some aspects of the work of teachers' voluntary associations in the United States to-day.
(October 18)

LUTHER HERBERT ALEXANDER
A.B. Toronto 1883, A.M. 1885.
Dissertation: *-Ata* participial substantives in Romance; with special reference to French.

MORRIS LEROY ARNOLD
A.B. Minnesota 1904, A.M. Harvard 1905.
Dissertation: A study of Shakespeare's soliloquies.

ROBERT BAGNELL
A.M. 1909.
Dissertation: Economic and moral aspects of the liquor business.

GEORGE DENTON BEAL
A.B. 1910, Ph.B. Scio 1908.
Dissertation: Stilbazoles and Schiff bases in the 4-quinazolone group.

RALPH CURTISS BENEDICT
Ph.B. Syracuse 1906.
Dissertation: The genera of the fern tribe Vittarieæ.

LOUIS BENJAMIN BLAN
A.M. 1908, B.S. C. C. N. Y. 1901.
Dissertation: A special study of the incidence of retardation.

FREDERICK GORDON BONSER
B.S. Illinois 1901, M.S. 1902.
Dissertation: The reasoning ability of children of the fourth, fifth, and sixth school grades.
(October 18)

EARL LOCKRIDGE BRADSHER
A.M. 1904, A.B. Missouri 1903.
Dissertation: Mathew Carey: editor, author, and publisher: A study in American literary development.

JOSEPH VALENTINE BREITWIESER
A.B. Indiana 1907, A.M. 1908.
Dissertation: Attention and movement in reaction time.

SIDNEY DAVID BRUMMER
A.M. 1901, A.B. C. C. N. Y. 1899.
Dissertation: Political history of New York State during the period of the Civil War.

JESSIE YEREANCE CANN
A.M. 1910, A.B. Woman's Coll. Balt. 1904.
Dissertation: The relationship existing between the weight of a falling drop and the diameter of the tip from which it falls.

FRANCIS STUART CHAPIN
B.S. 1909, A.M. 1910.
Dissertation: Education and the mores.

HUAN-CHANG CHEN
Equiv. A.B. Chaok'ing 1892, A.M. Canton 1903, Ph.D. Pekin 1904.
Dissertation: Economic principles of the Confucian school.

EDWARD CONNER CHICKERING
A.B. Yale 1896, A.M. Harvard 1897.
Dissertation: An introduction to Octavia Prætexta.
(February 21)

JOHN MAURICE CLARK
A.M. 1906, A.B. Amherst 1905.
Dissertation: Standards of reasonableness in local freight discriminations.
(October 18)

OLYNTHUS B. CLARK
B.S. Eureka 1896, A.M. 1900.
Dissertation: The Politics of Iowa during the Civil War and Reconstruction Period.

LOTUS DELTA COFFMAN
A.B. Indiana 1906, A.M. 1910.
Dissertation: The social composition of the teaching population.

GARABED KRIKOR DAGHLIAN
A.M. 1910, A.B. Central Turkey Coll. 1902.
Dissertation: The drop weights of twenty non-associated liquids and the molecular weights calculated for them.

DURANT DRAKE
A.B. Harvard 1900, A.M. 1904.
Dissertation: The problem of things in themselves.

CLARENCE NORMAN FENNER
E.M. 1892, A.M. 1909.

Dissertation: The Watchung basalt and the paragenesis of the zeolites and other secondary minerals. (October 18)

EDGAR JACOB FISHER
A.B. Rochester 1906, A.M. 1907.
Dissertation: The Province of New Jersey, 1738–1778.

EDWARD AUGUSTUS FITZPATRICK
B.S. 1906, A.M. 1907.
Dissertation: The educational views and influence of DeWitt Clinton.

WILLIAM TRUFANT FOSTER
A.B. Harvard 1901, A.M. 1904.
Dissertation: Administration of the college curriculum.

GEORGE AUGUSTUS GEIGER
A.M. 1910, A.B. Harvard 1908.
Dissertation: Researches in the quinazoline group.

CLARENCE EVERETT GORDON
A.M. 1905, B.S. Mass. Agl. Coll. 1901, B.S. Boston Univ. 1903.
Dissertation: The geology of the Poughkeepsie quadrangle.

ISIDOR GREENWALD
A.B. Michigan 1909.
Dissertation: The effect of parathyroidectomy upon metabolism.

EDMUND NEWTON HARVEY
B.S. Pennsylvania 1909.
Dissertation: Studies on the permeability of cells.

MICHAEL HEIDELBERGER
B.S. 1908, A.M. 1909.
Dissertation: Phthalones in the quinazolone series and their derivatives.

JESSIE WALLACE HUGHAN
A.B. 1898, A.M. 1899.
Dissertation: The present status of socialism in the United States.

ALEXANDER JAMES INGLIS
A.B. Wesleyan 1902, A.M. 1909.
Dissertation: The rise of the high school in Massachusetts.

HERMAN GERLACH JAMES
A.B. Illinois 1906, A.M. 1910; J.D. Chicago 1909.
Dissertation: The introductory articles in the Constitution of Illinois.

WALTER ALBERT JESSUP
A.B. Earlham 1903.
Dissertation: Social factors affecting special supervision in schools.

AUSTIN BAXTER KEEP
A.B. Amherst 1897, A.M. 1901.
Dissertation: The library in colonial New York.

FRANK DUNN KERN
B.S. Iowa 1904, M.S. Purdue 1907.
Dissertation: A biologic and taxonomic study of the genus Gymnosporangium.

CHARLES HENRY KEYES
A.B. St. John's Coll. 1879.
Dissertation: Progress through the grades of city schools: a study of acceleration and arrest.

EDWIN KIRK
A.B. 1907.
Dissertation: The structure and relationships of certain eleutherozoic Pelmatazoa.

GORDON SAUL PHILIP KLEEBERG
A.B. 1905, A.M. 1906, LL.B. 1907, LL.M. 1908.
Dissertation: The formation of the Republican party as a national political organization.

WILLIAM EDWIN KNICKERBOCKER
A.B. C. C. N. Y. 1904.
Dissertation: Ellipsis in old French. (February 21).

CECIL FAIRFIELD LAVELL
A.M. Queen's Univ. (Canada) 1894.
Dissertation: The evolution of Greek moral education.

ABBY PORTER LELAND
A.B. 1905, A.M. 1906.
Dissertation: The educational theory and practice of T. H. Green.

EDWARD H. LEWINSKI-CORWIN
(Equivalent A.B.) Warsaw College.
Dissertation: Workingmen's insurance in Belgium.

FRANCIS CHURCH LINCOLN
A.M. 1907, B.S. Mass. Inst. of Tech. 1900, E.M. New Mexico Sch. of Mines 1904.
Dissertation: Certain natural associations of gold.

ALBERT ARTHUR LIVINGSTON
A.B. Amherst 1904.
Dissertation: I sonetti morali e amorosi di Gian Francesco Busenello, cittadino Veneziano. Testo critico. (October 18)

ALMER MCDUFFIE MCAFEE
A.B. Texas 1908.

Dissertation: The drop weight of the associated liquids—water, ethyl alcohol, methyl alcohol and acetic acid.

CHARLES VIRGIN MORRILL
A.M. 1906, A.B. C. C. N. Y. 1903.
Dissertation: The chromosomes in the oögenesis, fertilization, and cleavage of coreid hemiptera.
(October 18)

JOSEPH ALBERT MOSHER
A.M. 1907, Ph.B. Syracuse 1905, Ph.M. 1906.
Dissertation: The exemplum in the early religious and didactic literature of England.

FRANK ALLEN PATTERSON
A.M. 1907, A.B. Syracuse 1904.
Dissertation: The Middle English penitential lyric.

HARRY GILBERT PAUL
A.B. Michigan 1897, A.M. Chicago 1901.
Dissertation: John Dennis: his life and critical writings.
(October 18)

GEORGE HENRY PORTER
Ph.B. Ohio 1901.
Dissertation: Ohio politics during the Civil War period.

ALLEN WILSON PORTERFIELD
A.B. West Virginia 1900, A.M. 1901.
Dissertation: Karl Lebrecht Immermann: A study in German Romanticism.
(February 21)

EDWARD EWING PRATT
A.B Oberlin Coll. 1906, A.M. Tulane Univ. 1907.
Dissertation: Industrial causes of congestion of population in New York City.

WILLIAM RALEIGH PRICE
A.B. Cornell 1898.
Dissertation: The symbolism of Voltaire's novels, with special reference to Zadig.

WILLIAM LOUIS RABENORT
B.S. 1906, A.M. 1907.
Dissertation: Spinoza as educator
(February 21)

PAUL RADIN
A.B. C. C. N. Y. 1902.
Dissertation: The ritual and significance of the Winnebago medicine-lodge.

HARRY WILFRED REDDICK
A.B. Indiana 1904, A.M. Illinois 1906.
Dissertation: Systems of tautochrones in a general field of force.
(October 18)

ALFRED ZONTZINGER REED
A.B. Harvard 1897, A.M. 1898.
Dissertation: The territorial basis of government under the state constitutions.

CLARENCE HALL ROBISON
A.B. Northwestern 1895, A.M. 1897.
Dissertation: Agricultural instruction in the public high schools of the United States.
(February 21)

GAILLARD SHERBURNE ROGERS
A.B. 1908, A.M. 1909.
Dissertation: Geology of the Cortlandt series and its emery deposits.

EDWARD MCCHESNEY SAIT
A.B. Toronto 1902, A.M. 1903.
Dissertation: Recent tendencies in primary legislation.

FREDERICK WILLIAM SCHWARTZ
B.S. Rensselaer Polytechnic Inst. 1905.
Dissertation: The weight of a falling drop and the laws of Tate. The drop weights and molecular weights of some of the lower esters.

AARON FRANKLIN SHULL
A.B. Michigan 1908.
Dissertation: Studies in the life cycle of Hydatina Senta.

FREDERICK JUDSON SOULE
A.M. 1909, A.B. Alma 1906.
Dissertation: An American village community.
(February 21)

DAVID BERNARD STEINMAN
C.E. A.M. 1909, B.S. C. C. N. Y. 1906.
Dissertation: The determination of maximum and economic spans for suspension bridges and cantilevers.

EDWARD KELLOGG STRONG, JR.
B.S. California 1906, M.S. 1909.
Dissertation: The relative merit of advertisements: a psychological and statistical study.

RUPERT TAYLOR
A.B. Arkansas 1903, A.M. 1906.
Dissertation: The political prophecy in England.

EDGAR GEORGE THOMSSEN
B.S. 1907, A.M. 1908.
Dissertation: The weight of a falling drop and the laws of Tate. The determinations of the molecular weights and critical temperatures of liquids by aid of drop weights with an improved apparatus.
(February 21)

JOSEPH K. VANDENBURG
A.B. Wesleyan 1895, A.M. 1898.
Dissertation: Causes of the elimination of students in the public secondary schools of New York City.

CARL VAN DOREN
A.B. Illinois 1907.
Dissertation: The life of Thomas Love Peacock.

CHIN YU WEN
B.S. Mass. Inst. Tech. 1908, M.S. 1909.
Dissertation: The effect of organic and inorganic "addition agents" upon the electro-deposition of copper from electrolytes containing arsenic.
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MARY THEODORA WHITLEY
B.S. 1905, A.M. 1906.
Dissertation: An empirical study of certain tests for individual differences.

LOUIS ELSBERG WISE
A.B. 1907.
Dissertation: Para-aminobenzonitrile and its derivatives.

SAMUEL LEE WOLFF
A.M. 1895, LL.B. 1897; A.B. Harvard 1892.
Dissertation: The Greek romances in Elizabethan fiction.

LEON ELMER WOODMAN
A.B. Dartmouth 1899, A.M. 1902.
Dissertation: A study of the multiple reflections of short electric waves between two or more reflecting surfaces.
(October 18)

HAWKLING LUGINE YEN
A.M. 1909, A.B. St. John's Univ. 1907.
Dissertation: A survey of constitutional development in China.

HONORARY DEGREES

Master of Science

DANIEL EDWARD MORAN
of the Class of 1884, School of Mines

SAMUEL WILLIAM FAIRCHILD
of New York

Master of Arts

HUGO REISINGER
of New York

Doctor of Science

CHARLES FRANCIS STOKES
of the Class of 1884, College of Physicians and Surgeons
Surgeon General of the United States Navy

Doctor of Letters

EDWARD ROBINSON
Director of the Metropolitan Museum of Art

Doctor of Sacred Theology

THE RIGHT REVEREND CHARLES SUMNER BURCH
Bishop Suffragan of the Diocese of New York

THE RIGHT REVEREND WILLIAM LAWRENCE
Bishop of Massachusetts

Doctor of Laws

ALONZO BARTON HEPBURN
President of the Chamber of Commerce of the State of New York

SIMEON EBEN BALDWIN
Governor of Connecticut

BARON D'ESTOURNELLES DE CONSTANT
Senator of France

CHARLES FREDERICK CHANDLER
Mitchill Professor of Chemistry in Columbia University

(*Conferred January 9, 1911*)

ERNST DAENELL, Litt.D.
Professor of Modern History in the University of Kiel
Kaiser Wilhelm Professor 1910–11

Commencement Calendar, 1911

May 29–31—Teachers College Exhibition.

June 2—Barnard College Senior Dance; Teachers College River Day.

June 4—Baccalaureate Service, Rt. Rev. Charles Sumner Burch, D.D., Bishop Suffragan of the Diocese of New York, Preacher.

June 5—Columbia College Class Day; Senior Dance; Teachers College Dance.

June 5–10—Architectural Exhibition.

June 6—Barnard College Ivy Day; Phi Beta Kappa Oration, Hon. Theodore E. Burton, United States Senator from Ohio.

June 7—Commencement; Conferring of Degrees and Award of Honors; Laying of Corner Stone of the Avery Library Building; Presentation of Exedra by Class of '86, College and Science; Presentation of Gemot in Hamilton Hall by Class of '81, College and Science; Alumni Luncheons; Costume Parade; Baseball Game, Lafayette vs. Columbia; Alumnæ Reception; Pushball Contest, '86 vs. 1901; Beefsteak Dinner; Senior and Alumni Singing and Band Concert.

June 8—Barnard College Class Day.

FELLOWSHIPS, SCHOLARSHIPS, AND OTHER PROVISION FOR THE ASSISTANCE AND REWARD OF STUDENTS

NOTE. Unless otherwise provided, all stipends of Fellows and Scholars shall be paid in equal semi-annual instalments on the second Wednesday of each half-year. Before being entitled to receive either instalment of his stipend, each Fellow and Scholar is required to report himself in writing to the Registrar as in residence, on or before the opening day of each half-year. Failure so to report may operate to vacate the Fellowship or Scholarship.

All Fellows and Scholars are required to pay all fees for matriculation, tuition, graduation, and for the use of the Gymnasium. The provisions regarding the maximum fee for the higher degrees and the statute concerning the sons of professors do not apply to them.

General Regulations

The following regulations apply, unless the contrary is specifically stated, to the award of all fellowships and scholarships:

In each case application in writing, on a blank prepared for the purpose, must be filed with the Secretary of the University; for fellowships it should be filed on or before March 1; for University scholarships on or before April 1, and for other scholarships on or before May 1. Applications and documents received in support thereof later than these dates, or not distinctly indicating the name of the candidate and the fellowship or scholarship for which he applies, may fail of consideration. As an evidence of graduation, a printed certificate is preferable to the formal diploma itself, as there is risk that the latter may be lost or injured in transit.

The appointment is in each case for one year dating from July 1. Candidates will be notified as promptly as possible as to the success of their applications. Documents and letters submitted by the candidates are returned, but not letters written direct to the University. If the applicant wishes the documents which he has submitted returned to him by mail he should enclose postage for the purpose, otherwise they will be held until called for. Documents will not be preserved for more than one year from the date of application.

All Fellows and Scholars, as hereinafter provided, shall reside in New York City or its vicinity during the academic year, unless permission be granted by the Council to study elsewhere. No Fellow or Scholar may pursue a professional or technical course of study during his term.

The conditions under which the appointment may be granted are indicated in the following paragraphs:

UNIVERSITY FELLOWSHIPS

(For awards, see p. 454)

Twelve fellowships, of the value of $650 each, known as "University Fellowships," are awarded annually by the University Council at its stated meeting in April, to those graduates of colleges and scientific schools, not over thirty years of age, who show themselves especially fitted to pursue courses of higher study and original investigation. The candidate must give evidence:

(*a*) of a liberal education, such as a diploma from a college or scientific school of good repute;

(*b*) of decided fitness for a special line of study, such as an example of some scientific or literary work already performed;

(*c*) of upright character, such as a testimonial from some instructor.

A Fellow may be reappointed for reasons of weight, but not for more than two terms of one year each.

As these fellowships are awarded as honors, those who are disposed, for the benefit of others, to waive the pecuniary emolument, may do so, and still have their names retained on the list of Fellows. In such cases additional University Fellows may be appointed.

Vacancies will be filled in the same manner in which original appointments are made.

Each Fellow is expected to perform such duties as are allotted to him in connection with a course of study leading to the degree of Doctor of Philosophy. He is expected to devote his time to the prosecution of special studies under the direction of the head of the department in which his major subject lies, and before the close of the academic year to give evidence of progress by the preparation of a thesis, the completion of a research, the delivery of a lecture, or by some other method.

No Fellow shall be allowed to accept remunerative employment or to give instruction or assistance in any department of the University except by permission of the President, and the acceptance of any such employment, without such permission, shall operate to vacate the fellowship.

SPECIAL FELLOWSHIPS

Unless otherwise specified, the regulations as to the mode of application for the following fellowships, and the conditions governing their award and tenure, are the same as those for University fellowships (see *ante*). Candidates should indicate clearly upon their application-blanks the fellowship for which they are applicants. For awards, see page 455.

Tyndall and Barnard Fellowships

The Tyndall Fellowship for the Encouragement of Research in Physics, endowed by Professor John Tyndall, annual value $648,

and the Barnard Fellowship for Encouraging Scientific Research, endowed by the bequest of the late President Barnard, annual value $400, are awarded annually under the following conditions: The Tyndall Fellowship is available for one or more American pupils who may have shown decided talent in physics, preferably such as shall express the determination to devote their lives to the advancement of theoretic science and original investigations in that department of learning, and is awarded either to a graduate of the University or to a student in it (not necessarily a candidate for a degree) upon the recommendation of the head of the Department of Physics. The Barnard Fellowship is awarded upon the joint recommendation of the Faculties of Columbia College, Applied Science, and Pure Science to a graduate of any one of them who, having shown decided aptness for physical investigation, is disposed to devote himself thereto for some years continuously. The recommendation must in each case be made to the President on or before April 1. The appointment is for the term of one year, but the incumbent shall be eligible to reappointment.

It is the duty of a Tyndall or Barnard Fellow to devote himself faithfully to the investigation of some subject in physical science at this, or some other University, under the supervision of some known physicist approved by the President and the head of the Department of Physics. He shall make a quarterly report, certified to by the physicist superintending and directing him, to the President, giving an account of the work in which he has been engaged during the academic or calendar quarter preceding. For awards, see page 455.

Adams Research Fellowship

The Ernest Kempton Adams Research Fellowship, founded by Mr. Edward Dean Adams, in memory of his son, Ernest Kempton Adams, E. E. '97, A.M. '98, is of an annual value of $1250. The appointment may be made from among the teaching staff, alumni, or students of Columbia University. The incumbent of the fellowship shall prosecute researches either in Columbia University or elsewhere, in the physical sciences, in psychology, or in their practical applications. The results of the investigations of the incumbent of the fellowship are published and distributed by the University under the title of "Researches of the Ernest Kempton Adams Research Fellows of Columbia University." For awards, see page 455.

Class of '70 Fellowship

There is a fellowship known as the "Class of '70 Fellowship," of the annual value of $500, which, after the expiration of the term of the present incumbent, shall be filled by the University Council, subject to such regulations as may be prescribed. For award, see page 455.

George William Curtis Fellowship

The George William Curtis Fellowship is awarded for a term of two years upon the recommendation of the Faculty of Political Science in every third year, the next award being July 1, 1912. The Curtis Fellow shall be entitled to receive during his incumbency the net income of the endowment of $10,000 (in 1908–09, $600 annually), accruing during a period of three years, and proportionately for any part of the term.

Candidates shall submit an essay or address on the "Immediate Duty of the American Citizen," in addition to complying with the requirements of candidates for University Fellowships.

The Fellow shall devote himself to the study of the science of government, with a special view to its application to the then existing condition of the United States or to the State or City of New York; and at or before the conclusion of his second year he shall publish (*a*) a monograph satisfactory to the Faculty of Political Science on some subject relating thereto, and (*b*) a brief sketch of George William Curtis as a citizen and orator, showing that he has familiarized himself with the life and character of the man whose memory is to be perpetuated by the fellowship which he has enjoyed. For awards, see page 456.

Drisler Fellowship

The Henry Drisler Fellowship in Classical Philology, established in 1894 in commemoration of the semi-centennial in the service of the University of Professor Henry Drisler, A.B. 1839, is of the annual value of $650, and is open to Bachelors of Arts of this University, or some other institution of equivalent standing, who have studied Greek and Latin throughout their undergraduate course, and who have an adequate knowledge of French and German. They must present testimonials from their instructors in Greek and Latin as to the quality of their work, and give evidence of fitness for advanced study and research, either by a special examination, or by an essay embodying the results of research in some department of classical study.

The appointment is made by the University Council on the recommendation of the Department of Classical Philology. Recommendations should reach the President on or before April 1, and reappointments may be made for not more than two terms of one year each.

The Fellow must study at this University under the direction of the professors of Greek and Latin, unless permitted by the Council to spend a year in some foreign university, or in the American School of Classical Studies at Athens, or in the American School of Classical Studies at Rome. For awards, see page 456.

Garth Fellowship

The Granville W. Garth Fellowship in Political Economy is awarded each year. The successful applicant for the fellowship shall be entitled to receive the net annual income of the capital sum of the Granville W. Garth Memorial Fund of $16,250. See page 485. For awards, see page 456.

Gottsberger Fellowship

The Gottsberger Fellowship, awarded every second year, is open only to candidates who, having first taken a degree in Columbia College, have been for not less than two years resident graduate students of Columbia University, taking also the degree of Master of Arts. The holder may with the consent of the professor in charge of his major subject of study, and with the approval of the President, pursue his studies abroad. The Fellow so appointed receives the net income for two years of the capital sum of $9500 constituting the Cornelius Heeney Gottsberger Scholarship Fund. For awards, see page 456.

Mosenthal Fellowship

The Mosenthal Fellowship, established in memory of the late Joseph Mosenthal, is designed to aid talented students of musical composition, either men or women, in the study of their art. The stipend is the net income for two years of the capital sum of $7500. It is awarded every second year by the Council upon the recommendation of the Professor of Music, and is tenable for one year.

Applicants are required to show a thorough knowledge of harmony and of counterpoint and some ability to compose, by submitting a number of original compositions in support of their applications.

The holder must devote himself to the study of musical composition at Columbia University, or, with the approval of the President and the Professor of Music, abroad. In the former case, he shall be required, in addition to his studies in Music, to pursue such other studies in at least two departments of the University as the Professor of Music may direct. In either case, the Fellow shall submit, at such times as the Professor of Music may designate, the results of his work in musical composition. For awards, see page 456.

Proudfit Fellowship in Letters

The Alexander Moncrief Proudfit Fellowship in Letters for the encouragement of the study of English Literature, founded by the bequest of Alexander Moncrief Proudfit, is open to any son of native-born American parents who shall have taken the degree of Bachelor

of Arts after three years' residence in Columbia College, and who shall, while enjoying such fellowship, remain unmarried. The appointment is made by the Council upon the joint recommendation of the professors in the Department of English. The Fellow shall be entitled to receive during his incumbency the net income of the sum of $13,875. He shall carry on his studies and research at Columbia University, or elsewhere, under the direction of the professors in the department named. For awards, see page 456.

Schiff Fellowship

The Schiff Fellowship in Political Science, the gift of Mr. Jacob H. Schiff, is of an annual value of $600. The appointment is made each year by the Council upon the recommendation of the Faculty of Political Science, which recommendation is based upon the nomination following: On or before April 1 of each academic year the Faculty of Political Science shall propose to Mr. Jacob H. Schiff while living the name of a suitable person for nomination by him. The conditions to govern the nomination after Mr. Schiff's death will be found in the University Statutes. For awards, see page 457.

Carl Schurz Fellowship

The Carl Schurz Fellowship for the Study of the German Language and Literature is awarded, in every even-numbered year, by the Council, upon the recommendation of the professors of the Department of Germanic Languages and Literatures. The Fellow shall be entitled to receive the net income for two years of the capital sum of $10,000, constituting the endowment contributed by citizens of New York, in commemoration of the seventieth birthday of Carl Schurz. The appointment may be renewed for reasons of weight for a further term of one year, but without additional stipend.

Candidates must present testimonials as to their zeal and success in the study of German, and must by an essay or published treatise give evidence of their fitness for a wider and more profound study of the languages and literatures and for independent research. They must also have a sufficient knowledge of Latin and French to use these languages readily in the prosecution of their studies. The holder must study at Columbia University under the direction of the Department of Germanic Languages and Literatures, unless permitted by the Council to study at some German university. For awards, see page 457.

William Mitchell Fellowship

The William Mitchell Fellowship shall be awarded annually by the Trustees, on the nomination of the Faculty of Columbia College, to

a graduate of the College who purposes entering upon a course of advanced study in letters or science, and who is adjudged by the Faculty capable of attaining distinction in such courses of study. In determining the appointment, preference shall be given to members of the graduating class and to graduates of not more than three years' standing. The Fellow so appointed shall be entitled to receive the net income of the fund of $10,000, bequeathed by Benjamin D. Silliman, and he is permitted to study at Columbia University or elsewhere. For awards, see page 457.

Samuel Anthony Goldschmidt Fellowship

The Samuel Anthony Goldschmidt Fellowship in Chemistry is awarded each year by the University Council in the same manner as University Fellowships are awarded and subject to the same regulations. The Fellow shall be entitled to receive the net annual income of $16,250, the gift of George B. Goldschmidt in memory of Samuel Anthony Goldschmidt of the class of 1871. For awards, see page 457.

Richard Watson Gilder Fellowship

Two or more Gilder Fellowships shall be awarded annually by the University Council upon the recommendation of the Faculty of Political Science to graduates of any college or university, or to students having exceptional qualifications. The holders of the fellowships shall devote themselves to the investigation of political and social conditions in this country or abroad; to the examination and analysis of the practical working of legislation enacted for the purpose of improving civic conditions or to practical civic work, in accordance with plans approved by the Professor of Politics and the Professor of Sociology. It shall be the duty of each Gilder Fellow to make a written report at least semi-annually to such professors, giving an account of the work on which he has been engaged. Each of such Fellows shall receive such portion of the income of the Richard Watson Gilder Fund for the Promotion of Good Citizenship as the Trustees may from time to time determine, provided that a portion of the income of the fund may in the discretion of the Trustees be set aside to meet the cost of publishing the results of the investigations and studies of such Fellows, and such publications shall bear the title of the fund. A Fellow appointed under this section may be reappointed for two additional years, and no more. For award, see page 457.

Annual Fellowships

The Treasurer may receive gifts of money for fellowships for one year or more provided that no fellowship shall be created for less than $500 per annum. Such fellowship shall be filled by the University Council, subject to such regulations as may be prescribed.

UNIVERSITY SCHOLARSHIPS

Twenty University Scholarships, of an annual value of $150, are awarded by the University Council at the regular meeting in May to students under the Faculties of Political Science, Philosophy, and Pure Science, who are not over thirty years of age, under the following regulations:

1. They are open to all graduates of colleges and scientific schools whose course of study has been such as to entitle them to be enrolled at Columbia as candidates for one of the higher degrees.

2. They are tenable for one academic year, with a possibility of renewal for one year longer.

3. Applications should be filed in writing, not later than May 1.

4. In the awards preference will be given to those candidates for University Fellowships who have failed of appointment after having been recommended therefor by any faculty or department.

5. University Scholars will be required to enrol themselves as candidates for a higher degree and to pursue a regular course of study leading thereto.

6. Additional Scholars may be appointed by the Committee to fill any vacancies occurring otherwise than by the graduation of an incumbent.

7. A University Scholar may relinquish the income thereof without waiving his right to be designated as a University Scholar.

For awards, see page 457.

President's University Scholarships

Eight additional scholarships, known as the President's University Scholarships, are awarded by the University Council, governed by the regulations attached to the University Scholarships, and by such further regulations as may from time to time be adopted.

University Scholarships for Women

Four University Scholarships, known as the Curtis University Scholarships, will be awarded annually to women students under the Faculties of Political Science, Philosophy, and Pure Science. These scholarships are awarded under the same regulations as those governing the University Scholarships. For awards, see page 458.

Richard Butler Scholarship

The Richard Butler Scholarship, tenable for one academic year, with the possibility of renewal for each of two years more, for the benefit of male students born in the State of Ohio, is open for competition to qualified candidates who propose to enter any college or school of the University (except Teachers College or the College of Pharmacy). The annual value (to be applied to tuition charges)

is the income of a fund of $5000, given for the establishment of the scholarship.

Applications should be made under the same regulations as those for University Scholarships. For awards, see page 458.

Pulitzer Scholarships

Through the generosity of the late Mr. Joseph Pulitzer, male graduates of the public high-schools of the city of New York, not to exceed forty at any time, are awarded scholarships upon competitive examination. Each scholarship so awarded may be held for a period of four years in the College or in any department of the University except the Medical School, Teachers College, and the College of Pharmacy. The scholarship will be withdrawn if at any time the holder fails to maintain a satisfactory standard in his academic work. During his term the scholar receives from Mr. Pulitzer the sum of $250 a year over and above the cost of his tuition. Full information regarding the conditions under which these scholarships are awarded will be furnished, upon application, by the Secretary of the University.

John D. Jones Scholarship

The Wawepex Society makes annual provision for a scholarship amounting to $200 and including the use of a table at the biological laboratory at Cold Spring Harbor, L. I. The award is made by the Council upon the recommendation of the Department of Zoölogy. For awards, see page 458.

Annual Scholarships

The Treasurer may receive gifts of money for scholarships for one or more years, provided that no such stipend shall be less than the annual tuition fee of the college or of the school in which it is provided.

Benefactors Scholarships

Sixty-three scholarships of tuition value were established by the Trustees in 1899 in recognition of the liberal gifts for the purchase of the site on Morningside Heights received from J. Pierpont Morgan, Cornelius Vanderbilt, A. A. Low, R. Fulton Cutting, Alfred Corning Clark, Samuel Sloan, Henry Parish, Jacob H. Schiff, and others. These scholarships have been assigned to different faculties as follows: Columbia College 20; Applied Science 27; Law 16.

Medals and Prizes

Essays submitted in competition for any of the following should, unless otherwise indicated, be submitted to the Secretary of the Uni-

versity not later than May 1, in the year of award. The essays should be signed fictitiously and should be accompanied by a sealed envelope containing the author's name and address. The awards are announced at Commencement and, unless otherwise indicated, are annual.

National Society of the Sons of the American Revolution Medal.

For information as to the award of the medals offered by this Society, apply to the Secretary of the University.

Barnard Medal

A gold medal of the value of $200 established by the provisions of the will of President Barnard and endowed by him, known as the "Barnard Medal for Meritorious Service to Science," is awarded quinquennially (next award 1915) to such person, if any, whether a citizen of the United States or any other country, as shall within the five years next preceding have made such discovery in physical or astronomical science, or such novel application of science to purposes beneficial to the human race, as in the judgment of the National Academy of Sciences of the United States shall be esteemed most worthy of such honor. For awards, see page 459.

Bunner Medal

The H. C. Bunner Gold Medal, established by the friends of the late Henry Cuyler Bunner, is awarded to the candidate for a Columbia degree who shall present the best essay on an assigned subject in American literature. The award will be made by a committee to be appointed by the President. The subject for the essays to be handed in on May 1, 1912, is "Mark Twain as a Novelist." For award, see page 459.

Bennett Prize

A prize established through a gift of $1000 from Mr. James Gordon Bennett may be awarded by the Faculty of Political Science for the best essay upon some subject of contemporaneous interest in the domestic or foreign policy of the United States. The competition is open to students not holding a baccalaureate degree who pursue courses amounting to six hours a week in the School of Political Science. The subject for 1912 is "Primary Legislation in New York." For award, see page 459.

Loubat Prizes

Mr. Joseph F. Loubat has endowed two prizes of $1000 and $400, respectively, for the best works published in the English language upon the history, geography, archæology, ethnology, philology, or

numismatics of North America. The next award will be made in 1913. Competition is open, under the deed of gift, to all persons, whether connected with Columbia University or not, and whether citizens of the United States or of any other country. No treatise shall be eligible for the purposes of the competition except such as relate to the topics involving antiquarian research, or that refer to events prior to 1776. In order to insure consideration of their works, authors are invited to send copies to the President of Columbia University not later than April 1 of the year in which the prize is to be awarded; but the competition will not be restricted to works thus submitted. For names of the Committee of Award for 1913, and for further details, address the Secretary of the University. For awards, see page 460.

Grant Squires Prize

The Grant Squires Prize, the income for five years of a fund of $1000, established by Grant Squires, A.B. '85, LL.B. '87, is awarded at the close of every quinquennial period, to such graduate conducting an original investigation of a sociological character as shall be adjudged most worthy by a Committee of Award, consisting of the President, the Professor of Sociology, and one of the Professors of Political Economy appointed by the Faculty of Political Science. The next award will be in 1915. Such award shall be deemed to be a recognition of scientific ability and achievement, as well as an encouragement of research. For awards, see page 460.

Toppan Prize

A prize known as the Robert Noxon Toppan Prize, the income of an endowment of $4000, in memory of Robert Noxon Toppan, LL.B. '61, is awarded annually to the member of the School of Law or of Political Science who shall pass the best written examination upon a paper prepared by the Professor of Constitutional Law. For awards, see page 460.

Prize of the Dante Society

The Dante Society of Cambridge, Mass., offers an annual prize of $100 for an essay on a subject drawn from the life or works of Dante. This prize is open to competition by students of Columbia University and by graduates of not more than three years' standing. For particulars, see the *Announcement of the Division of Modern Languages and Literatures.*

Earle Prize in Classics

A prize of $50 established in memory of Mortimer Lamson Earle, Instructor in Greek in Barnard College from 1889 to 1895 and from

1898 to 1900, and Professor of Classical Philology from 1900 to 1905, is open for annual competition to all candidates for the degree of Bachelor of Arts. It will be awarded partly on the basis of the regular work of the year in Greek and in Latin, partly on the basis of a special examination held in May or June. The special examination will cover specified portions of Greek and Latin literature, sight-reading in Greek and in Latin, and prose composition in Greek and in Latin. For 1912 the special subjects will be Æschylus; Prometheus; Sophocles; Philotetes; Letters of Cicero, first 50 (pp. 1 to 57 in the edition by Dr. Ernst Reiss, published by the MacMillan Co., 1910). For awards, see page 460.

Prizes of the New Jersey Alumni Association

Two prizes of $50 each are awarded annually by the New Jersey Alumni Association to the New Jersey students who pass the best entrance examinations to Columbia College and the Schools of Mines, Engineering, and Chemistry, respectively; with the proviso that before the award these students shall complete satisfactorily one half-year of academic work. For awards, see page 460.

Loan Funds

There are three funds available for short-term loans to needy students, which may be drawn upon by permission of the President.

Scholarships and Prizes in Columbia College

Seventy-two scholarships, of the annual value of $150 each, are open for competition in Columbia College. All scholarships are intended to be academic honors. Award is made, with the exception of the scholarships depending upon entrance examinations, by the Committee on Scholarships. Unless otherwise indicated, application for award for each year of incumbency must be made on or before May 1, on blanks furnished by the Secretary of the University. Awards will be announced not later than July 1.

No student who has incurred serious academic censure, or who obtains leave of absence for the year of appointment, will be considered for reappointment. Failure to maintain a grade of at least C in all courses taken may, and in the case of competitive scholars will, vacate the scholarships. Vacancies may be filled at the discretion of the Committee. Payment of one or both instalments of the stipend may be withheld if the student proves undeserving.

The stipend of the scholarship is sufficient to pay the tuition fees of a student electing not more than 17 points in Columbia College. Students permitted by the Dean to take more than 17 points or to

elect professional courses must pay the difference between the amount of the scholarship and the charge fixed by the statutes for the courses elected.

Section I—Competitive Scholarships awarded, not later than July 15 in the order given, by the Committee on Admissions to those qualified Freshmen who pass in June the best entrance examinations in subjects aggregating the fifteen units requisite for admission. The examination may be taken at any point where examinations are held by the College Entrance Examination Board. No applications are required from candidates for first appointment. Reappointments are made under the general regulations of the Committee on Scholarships.

Alumni Competitive Scholarships 4
Founded by the Trustees in 1890, one awarded annually.
(For awards, see page 460)

Hewitt and Harper Scholarships (2 each) 4
Endowed by the gift of Abram S. Hewitt, LL.D., of the Class of 1842, and by the bequest of Joseph W. Harper, A.M., of the Class of 1848. One open annually for competition to graduates of New York City high-schools.
(For awards, see page 461)

Brooklyn Scholarships ..... 12—20
Founded by the Trustees in 1895, in recognition of ex-President Low's gift of a memorial building for the University Library. Three are open for competition annually to residents of Brooklyn trained either in the public or the private schools of that borough.
(For awards, see page 461)

Louis K. McClymonds Scholarships

The Louis K. McClymonds Scholarships (2) of the annual value of $650, maintained by Mrs. Annie K. McClymonds in memory of her late husband, are open to those candidates for the degree of A.B. or B.S. who shall have satisfactorily completed the requirements for admission, and who in the judgment of the Faculty of Columbia College shall be deemed most deserving of appointment. Other things being equal, preference shall be given to sons of American-born parents who have no other means of providing for their tuition and living expenses during the academic year. For awards, see page 461.

Section II—General Scholarships awarded to applicants whose record for ability and scholarship obtained either before

or after matriculation gives evidence of special fitness for the course of study which they wish to pursue. Candidates in their first year of residence at Columbia University must be strongly recommended by the college or school from which they have come, and have shown marked proficiency or promise in college work. Students not in need of financial aid cannot be considered as applicants, nor can those who, through physical, mental, or moral weakness, give little promise of future usefulness.

A. Open to members of any class:

Faculty Scholarships established by the Trustees..... 6

Beck Scholarship..... 1
Established in recognition of the liberality of Charles Bathgate Beck, A.B. 1877, LL.B. 1879.

Campbell Scholarships (see page 483)..... 2

Class of 1848 Scholarships (see page 484)..... 2

Scholarships of the Society for Promoting Religion and Learning..... 8—19
Founded and awarded by this Society.

B. Open only to Freshmen. The requirements for admission must be completed before matriculation. For award after entrance, applications should be filed not later than October 1, 1910, or February 16, 1911. In general, awards will not be made later than December 1 or March 1, respectively.

Schermerhorn Scholarships..... 5
Endowed by John Jones Schermerhorn, A.B. 1825.

Moffat Scholarships..... 2
Endowed by William B. Moffat, A.B. 1838; M.D. 1842.

Stuart Scholarships (see page 481)..... 2

Alumni Association Scholarships..... 4—13
Established by the Trustees in recognition of the interest that the Alumni Association has always shown in the affairs of the College.

Benefactors Scholarships (see p. 440) Morgan (5), Vanderbilt (5), A. A. Low (3), Cutting (2), Clark (2), Sloan (1), Parish (1), Schiff (1) 20—72

Prize of the Alumni Association

A prize of fifty dollars in money or its equivalent "to the most faithful and deserving student of the graduating class" was established in 1858 by the Association of the Alumni of Columbia College. The graduating class selects the incumbent from three names submitted to it by the Faculty; or if, ten days prior to Commence-

ment, the class should notify the President of the University of its failure to make a selection, the award may be made by the Faculty. For awards, see page 461.

Chanler Historical Prize

By the bequest of J. Winthrop Chanler, A.B. '47, the income of $1000 is awarded annually, on Commencement Day, to the member of the graduating class of Columbia College who, in the judgment of the Faculty, shall be the author of the best original manuscript essay on the history of civil government in America, or some other historical subject, the subject for 1911 being "The Political Principles of Jefferson and Jackson." For awards, see page 461.

Curtis Medals

An endowment fund of $1000 established by the late Samuel Putnam Avery, an associate of George William Curtis in the work of Civil Service Reform, provides for the award of two medals of gold and silver to students in Columbia College for excellence in public delivery of English orations. Competitors must be either third- or fourth-year students in regular standing, or in exceptional cases, and with permission of the Dean, special students taking corresponding courses amounting to not less than 12 hours a week. The Department of English publishes about November 1 a list of subjects for the competition. Subjects not on the list may be chosen with the consent of the department provided that application be made not later than December 1. The contestants will be selected by the department at a preliminary competition which will not be open to the public. The final public competition will be held not less than two weeks later. The award will be made by judges appointed by the President. For awards, see page 461.

General Theological Seminary Prizes

Regulations as to the Seminary prizes adopted by the Protestant Episcopal Society for Promoting Religion and Learning in the State of New York, at a stated meeting held on April 25, 1900:

Notice shall be given every year of the conditions of the prizes under the old regulations (see *Announcement of the College for 1900–01*, page 72), and applications invited. Wherever the conditions of the preceding competition show that one or both of the prizes have not been taken for lack of applicants, notice shall at the same time be given of the competition for the prize or prizes thus open under the new regulations set forth each year in the *Announcement of Columbia College*.

The Society's Greek Seminary Prize amounts to $30 and the Society's English Prize to $20. For awards, see page 461.

John Dash Van Buren, Jr., Prize in Mathematics

A prize known as the John Dash Van Buren, Jr., Prize in Mathematics was established by Mrs. Louis T. Hoyt in memory of her nephew, John Dash Van Buren, Jr., a member of the Class of 1905. The annual income of $5000 is awarded to the candidate for an academic degree who passes the best examination in analytical geometry, differential and integral calculus, and in such additional subjects as the Department of Mathematics may prescribe. For awards, see page 461.

Charles M. Rolker, Jr., Prize

A prize to be known as the Charles M. Rolker, Jr., Prize, to be publicly awarded on Class Day is provided for by a fund of the same name, the gift of Mrs. C. M. Rolker in memory of her son, Charles M. Rolker, Jr., of the Class of 1907. The income of the fund is to be awarded to the member of the graduating class of Columbia College deemed by his classmates the most worthy of special distinction as an undergraduate student, because of scholarship, participation in student activities, pre-eminence in athletic sports, or in any combination of these. For awards, see page 461.

Undergraduate Prizes in Belles-Lettres

Three prizes, aggregating $150, were offered in 1910–11 for encouraging the study of belles-lettres among the students of Columbia College. A prize of $60 was offered for the best poem, $50 for the best critical essay on a work or works of the imagination, and $40 for the best short story. For awards, see page 462.

Award of Honors, Columbia College, 1911

(For awards, see page 460)

Scholarships and Prizes in the School of Law

Twenty-one scholarships of the annual value of $150 each are available annually for award to candidates for the degree of Bachelor of Laws standing in need of pecuniary aid and whose record for ability and scholarship gives evidence of special fitness for the work of the school.

The scholarships will be awarded by the Faculty at its meeting in June, immediately preceding Commencement. Scholarships not allotted at the June meeting, or becoming vacant, may be filled by the Faculty at its discretion.

Benefactors Scholarships.—Eight Morgan and eight Vanderbilt Scholarships, known as Benefactors Scholarships (see p. 440), may be awarded to students who have been in the school for at least one year.

Faculty Scholarships.—Four Faculty Scholarships may be awarded to members of any class.

Beck Prize Scholarship.—The Charles Bathgate Beck Prize Scholarship is awarded to the first-year candidates who shall pass the best examination in the subjects relating to Real-Estate Law. The holder shall, provided he remains a member of the school, receive one year's income of the prize fund established by the will of Charles Bathgate Beck in equal semi-annual instalments, during the two years following the award. If two or more students pass examinations of equal merit, the income of the fund may be divided. For awards, see page 462.

Convers Prize

A prize, known as the E. B. Convers Prize (the annual income of the sum of $1000), has been established in the School of Law in memory of E. B. Convers, of the Class of 1866. This prize will be awarded annually to such member of the graduating class in the Law School as may write the best original essay on some legal subject to be chosen from a list of ten subjects prepared each year by the Faculty of Law or on any other legal subject approved by the Faculty. For award, see page 463.

Ordronaux Prize

A prize to be known as the Ordronaux Prize in Law shall by vote of the Faculty be awarded annually to the candidate for the degree of Bachelor of Laws of at least one year's standing on the basis of general proficiency in legal study. For award, see page 463.

Fellowships, Scholarships, and Prizes in the College of Physicians and Surgeons

Alumni Association Fellowships

Provision is made annually by the Alumni Association of the College of Physicians and Surgeons for three fellowships, tenable for one year and of an annual value of $500, open to graduates who have shown special aptitude for scientific research in the Departments of Anatomy, Physiology, and Pathology. Appointments are made by the Executive Committee of the Alumni Association from candidates presented by the Professors of Anatomy, Physiology, and Pathology.

Incumbents are expected to devote themselves to scientific research in the department which they may elect, either at Columbia University, where they enjoy free tuition and the privileges of the laboratories, or in other institutions either here or abroad, at their own expense, and

at the end of the year's work to present to the Association a thesis containing evidence of independent or original work in their special department. For awards, see page 463.

Proudfit Fellowship in Medicine

The Maria McLean Proudfit Fellowship, endowed by the late Alexander Moncrief Proudfit, A.B. '92, for the encouragement of advanced studies in medicine, is open to any son of native-born American parents, a graduate in medicine, who shall pursue advanced studies in internal medicine under the direction of the Medical Faculty of the University, and who shall, while enjoying such fellowship, remain unmarried, and shall be appointed by the University Council upon the recommendation of the Faculty of Medicine. Appointment shall be made every four years, upon terms to be designated by the Faculty. The Fellow shall carry on his studies under the direction of the Faculty of Medicine. For awards, see page 463.

Alonzo Clark Scholarship

By the will of the late Alonzo Clark, M.D., LL.D., for many years President of the College of Physicians and Surgeons, and Professor of Pathology and Practical Medicine, it has been placed in the power of the Faculty to bestow a scholarship, with an income of about $700 a year, for the purpose of promoting the discovery of new facts in medical science. For award, see page 463.

Abram Dubois Fellowship

The Abram Dubois Fellowship, established in 1910, is open to a graduate of the School of Medicine who shall have satisfactorily completed a term of service of one year or more, the whole or greater part of which shall have been devoted to the study of diseases of the eye as interne in a hospital in New York, or elsewhere, approved by the Committee on Award. The award is made annually, but the holder may be continued in the fellowship, if no equally worthy candidate presents himself. The incumbent is restricted to clinical and laboratory study of the subject of diseases of the eye in foreign or American universities.

George Blumenthal, Jr., Scholarship

There shall be a scholarship or scholarships open to qualified candidates maintained in the College of Physicians and Surgeons by the income of the George Blumenthal, Jr., Scholarship Fund. An annual award or awards shall be made to a student or students to cover the cost of tuition or for other purposes, in amounts not less than $250 nor more than $500 to any one student in any one academic year.

Prizes

The following prizes are awarded for the best medical essay submitted under the conditions named in the statement of each prize, and, in addition, under the following general regulations:

Each essay must be marked with a device or motto, and accompanied by a sealed envelope similarly marked and containing the name and address of the author, and a written statement that the essay contains the result of original investigation made by him, that it is not the work of more than one author, and that it has not at the same time been submitted for any other prize. If in any case no essay is received that is deemed sufficiently meritorious, the prize will not be awarded.

Alumni Association Prize

The Alumni Association Prize of $500 is awarded biennially (next award, 1914) to an alumnus of the College of Physicians and Surgeons for the best medical essay submitted upon any subject that the writer may select. Essays should be sent to the Secretary of the Alumni Association of the College of Physicians and Surgeons on or before April 1 of the year of award. For award, see page 463.

Cartwright Prize of the Alumni Association

The Cartwright Prize of $500 was endowed by a bequest of $10,000 left by Benjamin Cartwright, and is offered for competition in alternate years with the Alumni Association Prize.

It is awarded on the same terms as the latter, except that it is open to universal competition. For award, see page 463.

Joseph Mather Smith Prize

The fund for this prize was given by the relatives, friends, and pupils of the late Dr. Smith, as a memorial of his services as Professor in the College of Physicians and Surgeons from 1826 to 1866. Under the provisions of the trust an annual prize of $100 is awarded for the best essay on the subject of the year, presented by an alumnus of the College. The competing essays should be sent to the Dean of the College of Physicians and Surgeons on or before March 10. For award, see page 463.

Stevens Triennial Prize

The Stevens Triennial Prize, value $200, established by the late Alexander Hodgdon Stevens, M.D., formerly President of the College of Physicians and Surgeons, is open for universal competition. (Next award 1912.)

The Dean of the Medical Faculty, the President of the Alumni Association of the College of Physicians and Surgeons, and the Professor

of Physiology are, ex-officio, the administrators of the prize. Essays must be in the hands of the first-named on or before January 1 of the year of award.

Scholarships

Thirteen scholarships of the annual value of $250, and tenable for one year are open to candidates for the degree of Doctor of Medicine. The award of these scholarships is made only to students whose record for ability and scholarship gives evidence of special fitness and who need pecuniary aid to obtain an education.

Harsen Scholarships—The income of a fund established by the late Jacob Harsen, M.D., in 1859, for the purpose of "promoting the study of Medical and Surgical Practice," has, under an order of the Supreme Court, been made available for the award of five scholarships to students in the College of Physicians and Surgeons, in lieu of the Harsen prizes heretofore awarded. Of these scholarships, which are known as the "Harsen Scholarships," two may be awarded to students taking the second year in the medical course; two to students in their third year, and one to a student in his fourth year, provided that the aggregate of the stipends of such scholarships shall not exceed the income earned by the fund during the preceding year.

Faculty Scholarships—These are four in number and may be awarded to members of any class.

Vanderbilt Scholarships—In recognition of the liberal gifts of William H. Vanderbilt to the College of Physicians and Surgeons, four scholarships, to be known as the "William H. Vanderbilt Scholarships," have been established. These are open to students of any class.

Scholarships and Prizes in the Schools of Mines, Engineering, and Chemistry

Thirty-five scholarships of the annual value of $250 each are available annually for award to meritorious candidates for professional degrees in Mines, Engineering, and Chemistry, who are in good academic standing, and in need of pecuniary aid.

The awards will be made not later than July 1 by the Committee on Scholarships. Scholarships not allotted at this time, or becoming vacant, shall be filled by the Committee at its discretion.

Twenty-seven Benefactors Scholarships (see p. 440) are open to students in the Schools under the Faculty of Applied Science, as follows: Morgan (7), Vanderbilt (7), James (10), Jesup (1), Babcock (1), and Ottendorfer (1). These scholarships may be awarded to students who have been in the University for at least one year.

In addition to the above, eight Faculty scholarships may be awarded to members of any class.

Marcus Daly Scholarship in Mining Engineering

The Marcus Daly Scholarship of the annual value of $1000, maintained by Mrs. James W. Gerard in memory of her father, is open to that worker or descendant of a worker in the Montana mines who passes the best competitive entrance examinations to the course in Mining Engineering. The winner of the scholarship shall hold the same throughout his course in mining engineering, subject to the same conditions of reappointment as those imposed upon the holders of competitive scholarships in Columbia College. As soon as the term of one holder of the scholarship is about to expire, another competitive examination is held. For awards, see page 463.

Illig Medals

A bequest of $2000 left by William C. Illig, E.M. '82, provides for the annual award of medals at Commencement to the student or students in the graduating class of the Schools of Mines, Engineering, and Chemistry, who shall, in the judgment of the Faculty, have merited the same by commendable proficiency in their regular studies. For awards, see page 463.

Darling Prize

The Edward A. Darling Prize in Mechanical Engineering, the income of $1000, bequeathed by Edward A. Darling, formerly Superintendent of Buildings and Grounds, shall be awarded annually to the most faithful and deserving student of the graduating class in Mechanical Engineering, the recipient of the prize to be chosen by ballot by members of the graduating class in the course in Mechanical Engineering from among three names to be chosen by the Faculty of Applied Science. For awards, see page 464.

Scholarships and Fellowships in the School of Architecture

Columbia Fellowship

The Columbia Fellowship in Architecture, the net income of $13,000 established in recognition of the gifts of F. Augustus Schermerhorn, E.M. '68, to the School of Architecture, is open each year to graduates of the three preceding years, and is awarded in June as the result of a competition in design. The winner is required to spend a year in the School as a graduate student in Design. The value of this Fellowship in 1910 was $535. For awards, see page 464.

McKim Fellowship

The McKim Fellowship in Architecture, endowed by gift of Charles F. McKim of $20,000, is open to graduates who have received their

degrees within six years preceding its bestowal, and is awarded in May of each year as the result of a competition in design. The holder is required to spend a year in foreign travel and study. Any incumbent who has displayed marked proficiency and promise is eligible to reappointment for one year, but no more. The value of this Fellowship is $820. For awards, see page 464.

Perkins Fellowship

A travelling Fellowship, the net income from a fund of $5700, from the bequest of the late Willard P. Perkins, is awarded every fourth year, the last award being in 1910. The conditions of award and the purposes of the Fellowship are the same as for the McKim Fellowships. For awards, see page 464.

Scholarships

Four scholarships of the value of $200 are awarded in the School of Fine Arts, under the same general conditions as those in the Schools of Mines, Engineering, and Chemistry (see page 463). For awards, see page 464.

Medal of the Society of Columbia University Architects

The Society of Columbia University Architects offers an annual medal for proficiency in advanced design. For award, see page 464.

Barnard College

Honors

Honors are of two kinds, departmental and general honors. The regulations governing their award are the same as those for the corresponding "Honors in Columbia College" (see page 194). For awards, see page 465.

Scholarships

There are altogether forty-one scholarships and three special funds for the aid of needy and deserving students.

For a detailed statement of the values of the various scholarships, the conditions under which they are awarded, the regulations regarding applications, and the like, the *Announcement of Barnard College* should be consulted. This may be obtained without charge upon application to the Secretary of Barnard College.

The following is a summary of the scholarships:

Competitive

(Awarded for excellence in entrance examinations)

1. *Open to all Students:* Trustees' Competitive Scholarship (1); Jessie Kaufmann Scholarship (1)

2. *Open to Particular Students:* Brooklyn Scholarships (12). Lucille Pulitzer Scholarships, Series of 1908–12 (3)

Non-competitive

(Awarded on the nomination of the Committee on Scholarships of the Faculty to worthy students who have passed at least one year in College.)

1. *Open to all Students:* 12 Student Scholarships, the Ella Weed Scholarship, the Veltin School Scholarship, the Jennie B. Clarkson Scholarship, the Emily James Smith Scholarship, the Anna E. Barnard Scholarship, the Brearley School Scholarship, the Eliza Taylor Chisholm Memorial Scholarship, the Graham School Scholarship, the Keller School Scholarship, the Tillitson Scholarship, Kinnicutt Scholarship.

2. *Open to Particular Students:* the Mrs. Donald McLean Scholarship, the Emma Hertzog Scholarship, the Mrs. Henry Clarke Coe Scholarship.

3. *Special Funds for the Aid of Needy and Deserving Students:* the Arthur Brooks Fund, income of $5000, the Fiske Scholarship Fund, income of $5000, the George W. Smith Scholarship Fund, income of $5000.

Prizes

Detailed statements about the conditions governing the award of prizes will be found in the current edition of the *Barnard College Announcement*, which can be obtained without charge of the Secretary of Barnard College.

FELLOWS AND SCHOLARS

University Fellows 1911–12

WALTER PARKS BLISS.....*Bacteriology*
NIELS CHRISTIAN CHRISTENSEN, JR.....*Geology*
WILLIAM EDWARD DUNN.....*American History*
FRANK NICHOLAS EGERTON, JR.....*Physics*
MARSTON LOVELL HAMLIN.....*Organic Chemistry*
HARRY CLEVELAND HARRIS.....*Semitic Languages*
SAMUEL SIMON LAUCKS.....*Constitutional Law*

DARWIN OLIVER LYON.....*Psychology*
MATTHEW THOMPSON MCCLURE, JR.....*Philosophy*
ARTHUR M. SCHLESINGER.....*American History*
HERBERT N. SHENTON.....*Sociology*
ROBERT METCALF SMITH.....*English*

Honorary Fellow 1911–12

FRANK HATCH STREIGHTOFF.....*Economics*

Special Fellows 1911–12

ALICE DOROTHY BREWSTER.....*English*
A. E. GUENTHER.....*Physiology*
EDWARD KELLOGG STRONG, JR.....*Psychology*

Tyndall Fellows

1891–92 WILLIAM H. FREEDMAN
1892–93 CHARLES R. MANN
1894–95 CHARLES R. MANN
1895–97 WALTER WHEELER COOK
1897–98 No incumbent
1898–1901 ROBERT BOWIE OWENS
1901–03 BERGEN DAVIS
1903–04 FRANK LEO TUFTS
1904–07 FREDERIC COLUMBUS BLAKE
1907–08 GEORGE B. PEGRAM
1908–09 HAROLD WORTHINGTON WEBB
1909–11 HENRY HOWARD MARVIN
1911–12 ANDREW WARREN JACKSON

Barnard Fellows

1894–96 WILLIAM LISPENARD ROBB
1896–97 No incumbent
1897–1900 HEINRICH RIES
1900–03 JOHN ALEXANDER MATHEWS
1903–05 WILLIAM CAMPBELL
1905–07 CLARENCE WHITNEY KANOLT
1907–08 HAROLD WORTHINGTON WEBB
1908–11 CLEMENT S. BRAININ
1911–12 GEORGE ADDISON BOLE

Ernest Kempton Adams Research Fellows

1905–07 ERNEST FOX NICHOLS
1907–09 BERGEN DAVIS
1909–11 CLARK WELLS CHAMBERLAIN
1911–12 ROBERT W. WOOD

Class of '70 Fellow

1896—LEWIS BUFFET CARLL

George William Curtis Fellows

1901–02 James Wilford Garner
1902–04 Charles Austin Beard
1904–06 Charles Grove Haines
1906–07 No incumbent
1907–08 Edward McChesney Sait
1908–09 Blaine Free Moore
1910–11 Sydney D. Moore Hudson
1911–12 Samuel Mack Eastman

Drisler Fellows

1894–96 John Kasson Lathrop
1896–97 George N. Olcott
1897–98 William T. F. Tamblyn
1898–99 Corliss Fitz Randolph
1899–1900 Edward Charles Harwood
1900–01 Bert Hodge Hill
1901–02 No incumbent
1902–03 Harwood Hoadley
1903–04 Walter Whipple Arnold
1904–05 No incumbent
1905–06 Macon Anderson Leiper
1906–08 Charles Jones Ogden
1908–10 Hubert McNeill Poteat
1910–11 Irving Comes Demarest
1911–12 Rhys Carpenter

Garth Fellows

1905–06 Meyer Jacobstein
1906–07 James Henry Gilbert
1907–08 Louis Dwight Harwell Weld
1908–09 Solomon Vineberg
1909–10 Edward Henry Lewinski
1910–11 Benjamin McAlester Anderson
Frank Hatch Streightoff
1911–12 Robert Murray Haig

Gottsberger Fellows

1905–06 George Christian Otto Haas
1907–08 Meyer Jacobstein
1909–10 Ralph Watson Dox
1910–11 William Stuart Messer
1911–12 Fremont Amasa Higgins

Mosenthal Fellows

1899–1901 Mary Angela Diller
1902–04 Frank Edwin Ward
1904–05 Benjamin Lambord
1906–07 William Jacob Kraft
1908–09 Franz Bellinger
1910–11 Edward Betts Manning

Proudfit Fellows in Letters

1900–03 John Erskine
1903–05 Stanley Kidder Wilson
1905–06 No incumbent
1906–07 Charles Francis Lawson
1907–10 Ernest Hunter Wright
1910–11 Geddes Smith
1911–12 Nelson Burroughs Gildersleeve

Schiff Fellows

1898–1900 William Henry Fry
1900–01 Walter Percy Bordwell
1901–02 Ulrich Bonnell Phillips
1902–03 George Charles Selden
1903–04 Preserved Smith
1904–05 Norris Arthur Brisco
1905–06 Charles Ramsdell Lingley
1906–07 Samuel G. Nissenson
1907–08 Carl F. L. Huth
1908–09 Leonard Stott Blakey
1909–10 Charles Elmer Gehlke
1910–11 Benjamin Burks Kendrick
1911–12 Henry Elmer Hoagland

Carl Schurz Fellows

1902–03 John Louis Kind
1904–05 Allen Wilson Porterfield
1906–07 Henry Hermann Louis Schulze
1908–09 Percy Gaines Craig
1909–10 Henry John Skipp
1910–11 Will Carson Ryan, Jr.

William Mitchell Fellows

1908–10 Irving Comes Demarest
1910–11 Maurice Picard
1911–12 Lester Sanders Hill

Goldschmidt Fellows

1909–10 Edward Calvin Kendall
1910–11 Almer McDuffie McAfee
1911–12 Harold Edward Woodward

Gilder Fellow

1911–12 William Shepherdson

University Scholars, 1911–12

James S. L. Brunton.....*Geology*
Chester Charles Clark.....*Geology*
Earl Willis Crecraft.....*Constitutional Law*
Daniel Moore Fisk.....*Zoölogy*
Robert Stanley Forsythe.....*English*
Dixon Ryan Fox.....*American History*
Enoch Burton Gowin.....*Sociology*
Alexander Green.....*Germanic Languages*
Ned Gray Griffin.....*Organic Chemistry*
Max Kahn.....*Organic Chemistry*

LYMAN MORSE KELLS.....*Mathematics*
GARRY CLEVELAND MYERS.....*Psychology*
HOWARD WEBSTER NUDD.....*Social Economy*
CARL WILLIAM PARKER.....*Economics*
CLAUDE ALBERT PIFER.....*English*
ARTHUR HENRY RICHARDSON.....*Sociology*
ELMER B. RUSSELL.....*American History*
YINCHANG T. WANG.....*Chemistry*
GEORGE FRISBIE WHICHER.....*English*
ROBERT LEMUEL WIGGINS, JR.....*English*

President's University Scholars, 1911–12

PERCY ADDISON CHAPMAN.....*Romance Languages*
RALPH KENDALL FORSYTH.....*Economics*
HUBERT BAKER GOODRICH.....*Zoölogy*
ROBERT MELYNE ISHAM.....*Chemistry*
ANGELO LIPARI.....*Romance Languages*
JAMES ROSS MCCAIN.....*American History*
CHILTON LATHAM POWELL.....*English*
BIRL EARL SHULTZ.....*Constitutional Law*

Curtis University Scholars, 1911–12

LUCY ADA CASE.....*History*
AGNES WILLIAMS CLANCY.....*English*
MILDRED ALBRO HOGE.....*Zoölogy*
SARAH MORRIS.....*Greek*

Richard Butler Scholars

1904–07 OTHO LEE MONROE
1907–09 JOHN SHERMAN ROBINSON
1909–10 HOWARD DWIGHT SMITH
1910–11 GEORGE DENTON BEAL
1911–12 GEORGE GIVEN HOLLINGSHEAD

John D. Jones Scholars

1898–99 FRANCIS BERTODY SUMNER
1899–1900 JOHN CUTLER TORREY
1900–01 FREDERICK CLARK PUALMIER
1901–02 WILLIAM E. KELLICOTT
1902–03 CHARLES ZELENY
1903–04 LOUIS I. DUBLIN
1904–05 CHARLES RUPERT STOCKARD
1905–06 JOHN HOWARD MCGREGOR
1906–07 DAVID DAY WHITNEY
1907–08 CHARLES V. MORRILL
1908–09 DAVID DAY WHITNEY
1909–11 AARON FRANKLIN SHULL, JR.
1911–12 ALFRED HENRY STURTEVANT

Annual Scholars

ARTHUR BARTO ADAMS.....*Economics*
WALTER GERARD MARTIN BUCKISCH.....*English*
DONALD LEMEN CLARK.....*English*
WALTER JAMES GRAHAM.....*English*
GEORGE ERNEST HESSE.....*English*
HOWARD C. KIDD.....*Economics*
ALGERNON ASHBURNER OSBORNE.....*Economics*
WALTER C. PHILLIPS.....*English*
LOUIS WANN.....*English*

Special Alumni Association Scholarships

Columbia College

COBURN GILMAN.....Colorado
LEO M. BAXTER.....New Jersey
MILTON M. ALISON.....Pittsburgh
J. A. MURPHY.....Western New York
MORRIS WOLF.....Philadelphia

Mines, Engineering, and Chemistry

SELIN E. WOODWORTH.....California
HAROLD E. ALLEN.....Dist. of Columbia
HUGO H. MOSS.....Mexico
A. P. MEYER.....St. Louis
FRANK H. SIMONDS.....Yonkers

Law

WALTER DAVID.....Kansas City
H. T. DAVENPORT.....Washington

Architecture

URBAN F. PEACOCK.....Wisconsin

Political Science

WILLIAM N. ROSS.....Northern New York
C. B. COLEMAN.....Indiana

Barnard Medal

Awards

1895 LORD RAYLEIGH and Professor WILLIAM RAMSAY
1900 Professor WILHELM CONRAD VON RÖNTGEN
1905 Professor HENRI BECQUEREL
1910 Professor ERNEST RUTHERFORD

Bunner Medal

No award in 1911

Bennett Prize

No award in 1911

Loubat Prizes

Award of 1893: First Prize, "History of the United States of America during the Administrations of Jefferson and Madison," by HENRY ADAMS.
Second Prize, "Report of Investigations among the Indians of the Southwestern States," by A. F. BANDELIER.

Award of 1898: First Prize, "Stone Implements of the Potomac–Chesapeake Tidewater Province," by WILLIAM HENRY HOLMES.
Second Prize, "The Social Organization and the Secret Societies of the Kwakiutl Indians," by FRANZ BOAZ, Ph.D.

No award in 1903

Award of 1908: First Prize, "The American Colonies in the Seventeenth Century," by HERBERT LEVI OSGOOD, Ph.D., LL.D.
Second Prize, "The History of the Society of Jesus in North America," by Rev. THOMAS ALOYSIUS HUGHES, S. J.

Grant Squires Prize

Award of 1910

HOWARD WASHINGTON ODUM

Toppan Prize

Award of 1911

LOUIS MAYERS, A.B.
BIRL EARL SHULTZ, A.B.

Earle Prize in Classics

Award of 1911

CLARENCE AUGUSTUS MANNING

New Jersey Alumni Association

Awards of 1911

Columbia College—FREDERICK CHARLES NYLAND
Schools of Mines, Engineering, and Chemistry—OSCAR BYRON

Columbia College

Alumni Competitive Scholarships

For 1911–12

Class of 1913—S. HARTIG Class of 1914—A. WEINSTEIN
Class of 1915—D. C. CRAMPTON

Hewitt and Harper Scholarships

For 1911–12

Harper, Class of 1912—E. Colby
Harper, Class of 1914—J. Lintz
Hewitt, Class of 1913—H. H. Nordlinger

Brooklyn Scholarships

For 1911–12

Class of 1912—A. B. Brenner
W. E. Shrewsbury
Class of 1913—Nathan Shanks
M. Gottesman
C. Perlowitz
Class of 1914—J. Lipschultz
S. Camen
B. Grossbaum
Class of 1915—D. Rothenberg

Louis K. McClymonds Scholarships

For 1911–12

Class of 1913—R. S. Harris
Class of 1915—W. D. Clark

Prize of the Alumni Association

Names submitted in 1911

Arnold Lipari
Ernest Spencer Roche
Ralph Randles Stewart (selected)

Chanler Historical Prize

Award of 1911

Dixon Ryan Fox

Curtis Medals

Award of 1911

Gold Medal—George W. A. Scott
Silver Medal—Abraham Maurice Grill

General Theological Seminary Prizes

Award in 1911

English Prize—Miles Lowell Yates

John Dash Van Buren, Jr., Prize in Mathematics

Award in 1911

Henry Harold Nordlinger

Charles M. Rolker, Jr., Prize

Award in 1911

William Murray Lee

Undergraduate Prizes in Belles-Lettres

Award in 1911

Essay—Randolph Silliman Bourne
Short Story—Abraham M. Grill

General Honors

Highest Final General Honors

Alexander Bruno
Lester Sanders Hill
Samuel Joshua Levinson
Adolph Henry Meyer
Gabriel Rubino
Walter Moses Weis
Carl Daniel Zigrosser

Class of 1911

Edwin L. Gluck
Joseph Klingenstein
Leo Koenig
Monroe B. Kunstler
Maurice Levine
Angelo Lipari
Frederick W. Scholz

Class of 1912

Arthur B. Brenner
Henry W. Elsasser
Joseph H. Park
Elbridge Colby
Max Mayer
Wm. E. Shrewsbury

Class of 1913

Randolph S. Bourne
Ralph S. Harris
Charles H. Meyer
Henry H. Nordlinger
Alan DeF. Smith
Nathaniel E. Handler
Clarence A. Manning
Parker L. Moon
Preston W. Slosson
James P. Wilson

Class of 1914

J. Malcolm Bird
Pincus Hirschcopf
Jacob Lipschultz
Michael E. Corrigan
Joseph Lintz
Herbert A. Wise

School of Law

Awards of Beck Prize Scholarships

1900–1901 Charles R. Ganter
1901–1902 Henry Starr Giddings
1902–1903 H. H. Babcock
E. P. Grosvenor
1903–1904 E. L. Beatty
1904–1905 John M. Griffith
1905–1906 Charles B. Shelton
1906–1907 Robert Leroy
1907–1908 Charles M. Travis
1908–1909 Edward H. Hart
1909–10 Wilder Goodwin
1910–11 Jerome Michael—½
P. S. Andrews—½
1911–12 F. P. Ferguson—½
Gardner P. Lloyd—½

Convers Prize

Award of 1911

ROBERT BOYD WALKINSHAW

Ordronaux Prize

Award of 1911

HAROLD R. MEDINA
JEROME MICHAEL

School of Medicine

Alumni Association Fellowships

Award of 1911–12

DUDLEY HENRY MORRIS, *Pathology* B. S. OPPENHEIMER, *Pathology*

Proudfit Fellows in Medicine

1904–08 LINSLY RUDD WILLIAMS 1908 No award
1909 EDWARDS A. PARK

Alonzo Clark Scholarship

No Award

Alumni Association Prize

Award of 1910–11

JOSEPH BYRNE, M.D. (1895)

Cartwright Prize of the Alumni Association

Award of 1911

MARTIN H. FISCHER

Joseph Mather Smith Prize

No award in 1911

Schools of Mines, Engineering, and Chemistry

Marcus Daly Scholarship in Mining Engineering

1904–08 HENRY FARMER DAVIS 1908–11 CORNELIUS G. SULLIVAN
1911– FREDERICK S. WRIGHT

Illig Medals

Award of 1911

CARL HANER, JR., A.B. PERCY REGINALD ISEMAN
PHILIP DANFORTH WILSON, B.S.

Darling Prize

Award of 1911

FREDERICK THURSLOW LACY (selected) EDGAR JESSE KÄTZ, A.B.
ALBERT LOUIS BAUM, A.B.

School of Architecture

Columbia Fellows in Architecture. (Until 1905 this was a travelling fellowship awarded biennially.)

1890–91 ARTHUR A. STOUGHTON
1892–93 HORACE B. MANN
1894–95 SETH JUSTIN TEMPLE
1896–97 WILLIAM KINNE FELLOWS
1898–99 WILLIAM CLARK AYRES
1900–01 THEODORE BLONDEL, JR.
1902–03 ARTHUR WARE
1904–05 HUBERT VAN WAGENEN, JR.
1905–06 THOMAS WILLIAM LUDLOW
1906–07 EMILIO LEVY
1907–08 No award
1908–09 EDWARD JOHN STORK
1909–10 WILLIAM LAWRENCE BOTTOMLEY
1910–11 GERARD PITT
1911–12 WILBUR NICHOLAS ALBERTSON

McKim Fellows in Architecture

1891–92 A. C. M. DEL MONTE
ALEXANDER M. WELCH
1893–95 GEORGE OAKLEY TOTTEN, JR.
WILLIAM LINCOLN THORNE
1895–97 JOHN RUSSELL POPE
1897–98 HARRY ALLAN JACOBS
1898–99 JOHN RUSSELL POPE
HARRY ALLAN JACOBS
1899–1901 LIVINGSTON PELL
WILLIAM EDWARD PARSONS
1901–02 CHARLES LUDWIG OTTO
EDWARD NECARSULMER
1903–04 FRANCIS AUGUSTUS NELSON
GEORGE WASHINGTON JACOBY
1904–05 No incumbent
1905–07 LUCIEN EASTER SMITH
1907–09 WILLIAM LAWRENCE BOTTOMLEY
1909–11 CHARLES THEODORE EMILE DIETERLEN
1911–12 WILLIAM C. FRANCIS

Perkins Fellows

1902–03 CHARLES SUMNER KAISER
1906–07 ARTHUR LOBO
1910–11 H. D. SMITH

Medal of the Society of Columbia University Architects

Award of 1911

JOHN WILLIAM INGLE, JR.

Barnard College Prizes

Kohn Mathematical Prize of $50 — LOTTIE JUNE GREIFF
Herman Botanical Prize of $50 — HESTER MARY RUSK
Flarsheim Prize of $50 — MARGARET TOWER HART
Jennie A. Gerard Medal — LOUISE DEFOREST GREENAWALT

Departmental Honors

Astronomy	Agnes May Denike, *Final*
	Anna Frances Herreshoff, *Final*
	Helen DeMott Runyon, *Final*
	Caroline Eustis Seely, *Final*
Botany	Dorothy Alice Spear, *Third Year*
Classical Philology	Mildred Louise Sanborn, *Final*
	Jeanette Amelia Steinecke, *Final*
	Molly B. Temple Coyle, *Third Year*
	Jenny King MacKay, *Third Year*
	Edith Moore Valet, *Third Year*
	Gertrude Elizabeth Morris, *Second Year*
	Ruth Anna Osterberg, *Second Year*
English	Dorothy Alice Spear, *Third Year*
French	Rita Hilborn, *First Year*
German	Ottilie Prochazka, *Final*
	Gertrude Seraphine Borchardt, *Third Year*
	Paula Frieda Oellrich, *Third Year*
	Etta May Schweis, *Third Year*
	Madelaine Emily Bunzl, *Second Year*
	Beatrice Danzig Heinnemann, *First Year*
Geology	Marjorie O'Connell, *Third Year*
Mathematics	Lottie June Greiff, *Final*
	Anna Frances Herreshoff, *Final*
	Caroline Eustis Seely, *Final*
	Marjorie O'Connell, *Third Year*
	Ethel May Hawkey, *Second Year*
	Josephine Cecile Melsha, *Second Year*
	Sallie Pero, *Second Year*
Philosophy	Theresa Mayer, *Final*
	Ottilie Prochazka, *Final*
	Margaret Avery Augur, *Third Year*
	Phebe Edith Hoffman, *Third Year*
Psychology	Agnes May Denike, *Final*
Zoölogy	Louie Estelle Johnson, *Final*
	Margaret Southerton, *Third Year*
	Cora Rhode Thees, *Third Year*
	Florence VanVranken, *Third Year*

General Honors

Louise Elizabeth Adams
Margaret Avery Augur
Mabel Barrett
Alice Laura Bennett
Fanny Aurill Bishop
Gertrude Seraphine Borchardt
Ruth Augusta Burns
Helen Hopkins Crandell

Agnes May Denike
Mildred Dodge
Lottie June Greiff
Ruth Estelle Guernsey
Edith Halfpenny
Mildred Valentine Hamburger
Ethel May Hawkey
Rita Hilborn
Phebe Edith Hoffman
Jennie King MacKay
Elsa Sauter Mehler
Josephine Cecile Melsha
Sidney Louise Miner
Edith Matilda Morris
Amelia Robinson Mumford
Louise Nyitray
Marjorie O'Connell
Paula Frieda Oellrich
Ruth Anna Osterberg
Helen Maud Porter
Ottilie Prochazka
Vera Marguerite Rees
Claire Hildegarde Reese
Mamie Erna Rivkin
Dorothy Salwen
Gertrude Elizabeth Louise Saul
Etta May Schweis
Caroline Eustis Seely
Harriet Seibert
Margaret Southerton
Dorothy Alice Spear
Beatrice Clara Stegman
Adelaide Marguerite Stitt
Edith Moore Valet

Highest Final General Honors

Harriet Florence Hale
Margaret Tower Hart
Kate Huntington Tiemann

Teachers College

Fellowships and Scholarships

Fellows for 1911–12

William Webb Kemp
Ervin Eugene Lewis
Cyrus DeWitt Mead
Eleanora Tibbets Miller
James Collins Miller

Honorable Fellows

Frank Pierrepont Graves
Stephen Sheldon Colvin

Research Scholars

Thomas Henry Briggs
James Lukens McConaughy
Louise McDanell

Graduate Scholars

Robert King Atwell
Orville Gilbert Brim
Hubert Guy Childs
Edwin Gustav Eklund
Harriet Florence Hale
Martin Hegland
Edgar Wallace Knight
David James McDonald
Bert Emery Merriam
Samuel Maith North

UNDERGRADUATE SCHOLARS

Tileston Scholar	GEORGIA VALENTINE COY
Pierrepont Scholar	ANNIE ELIZA HARPER
Pond Scholar	ETHEL MARIE HOTALING
Charlotte Louisa William Scholar	ROXANA ALER STEELE
Earl Scholar	LEO LESLIE BRENNEMAN
Army and Navy Scholar	LEROY LANGDON BUCK
Schackleford Scholar	JAMES FRANCIS CONNOLLY

Jenkins Scholars

FRANCES M. DICKEY
MARIA ALINE HALL
MARY HIGGINS
DOROTHY LATHROP
ALICE THOMPSON

Runyan Scholar—ETHEL PRIMROSE LAWRENCE

Livingston Scholars

CHEN TSAI HSIN
WONG KAI MING
KHALEEL TOTAH
JOHN WYCLIFFE YOST
EDNA BOWMAN YOST
CLIFFORDE E. HUNTER
ELIZABETH GEIST NEWBOLD
EVERARD PATTERSON MILLER
R. S. RACOUBIAN

HOUSEHOLD ARTS SCHOLARS

Caroline Scholars

CLARA WHORLEY HASSLOCK
WILBURTA ANNA KNIGHT

Undergraduate Scholars

SARA THOMAS ALLEN
EDNA EARL HORNER
MATILDA SCHROEDER
CHRISTINE WATERS
BESSIE FRANCES HOLMAN

Industrial Arts Scholars

ALANSON HARRISON EDGERTON
LEON LOYAL WINSLOW

Porto Rican Scholars

ANGELES DAUBON
LUCILA MERCADO
ELENA RAFAELA PRATS

Special Scholar—MARGARET BAKER MORISON

Y. W. C. A. Scholar—MARGARET M. COOK

Prizes

Colonial Dames. $50 in gold and a silver medal

Award in 1911–12

MARY READ SMITH

United Daughters of the Confederacy. $100.

Award in 1911–12

KATE DE ROSSET MEARES

College of Pharmacy

Prizes

Max J. Breitenbach Prize

A cash prize of $200 is presented annually by Mr. Max J. Breitenbach for the highest proficiency in the Senior University Course.

Award in 1911

ARTHUR MACHOL

Kappa Psi Gold Medal — MARION W. ASTARITA
Faculty Graduate Prize — WALTER REGNAULT

EXCHANGE PROFESSORS

Theodore Roosevelt Professorship

1906–07 John William Burgess, Ph.D., LL.D., *Ruggles Professor of Political Science and Constitutional Law, and Dean of the Faculty of Political Science in Columbia University.*

1907–08 Arthur Twining Hadley, Ph.D., LL.D., *President of Yale University.*

1908–09 Felix Adler, Ph.D., *Professor of Social and Political Ethics in Columbia University.*

1909–10 Benjamin Ide Wheeler, Ph.D., LL.D., *President of the University of California*

1910–11 Charles Alphonso Smith, Ph.D., *Edgar Allan Poe Professor of English in the University of Virginia.*

1911–12 Paul S. Reinsch, Ph.D., *Professor of Political Science in the University of Wisconsin.*

1912–13 William M. Sloane, L.H.D., LL.D., *Seth Low Professor of History in Columbia University.*

Kaiser Wilhelm Professorship

1906–07 Hermann Schumacher, Jur.D., *Professor of Political Economy in the University of Bonn.*

1907–08 K. G. Rudolf Leonhard, J.U.D., *Professor of Legal Science in the University of Breslau.*

1908–09 Albrecht F. K. Penck, Ph.D., Sc.D., *Professor of Geography in the University of Berlin.*

1909–10 Carl Runge, Ph.D., *Professor of Applied Mathematics in the University of Göttingen.*

1910–11 Ernst Daenell, Ph.D., *Professor of Modern History in the University of Kiel.*

1911–12 Josef Schick, Ph.D., *Professor of English Philology in the University of Munich.*

Visiting French Professor

1911–12 Gustave Lawson, Litt.D., *Professor of the History of Literature.*

ALUMNI COUNCIL

In order to afford the alumni direct and responsible representation upon the Board of Trustees of the University, six of its members may be nominated, subject to certain conditions, by the alumni. The trustees elected upon such nomination are styled "alumni trustees," the two now in office being Benjamin Bowden Lawrence, '78 S, and William Fellowes Morgan, '80, '84 S. Five general and fifteen local associations sent delegates to the meeting called for the nomination of the second alumni trustee.—The Alumni Council serves as a clearing house for all alumni activities, and is closely associated with the committees on appointment and employment.

ALUMNI ORGANIZATIONS

General

Alumni Council.—J. Howard Van Amringe, '60, chairman; George Brokaw Compton, '09, secretary, Columbia University.

Society of the Early Eighties.—James Duane Livingston, '80, president; Girard Romaine, '82, secretary, 68 Broad Street.

Society of the Older Graduates.—J. Howard Van Amringe, '60, president; William de L. Benedict, '74 S, secretary, 43 Cedar Street.

Society of the Upper Eighties.—Charles H. Mapes, '85, '89 S, president; Edward L. Dodge, '88, secretary, 32 Nassau Street.

Columbia College.—William Curtis Demorest, '81, president; Ernest Stauffen, Jr., 1904, secretary, 2 Wall Street.

School of Medicine.—Walter Mendelson, '79 M, president; Henry E. Hale, Jr., '96 M, secretary, 770 West End Avenue.

School of Law.—George L. Ingraham, '69 L, president; J. Boyce Smith, Jr., '01, '04 L, secretary, 115 Broadway.

Schools of Mines, Engineering, and Chemistry.—John H. Janeway, Jr., '86 S, president; Ralph E. Mayer, '79 S, secretary, Columbia University.

School of Fine Arts.—Henry F. Hornbostel, '91 Arch., president; Shiras Campbell, '04 Arch., secretary, 103 Park Avenue.

Doctors of Philosophy.—George A. Soper, '99 Ph.D., president; Rudolf Tombo, Jr., 1901 Ph.D., secretary, Columbia University.

Barnard College.—Mrs. R. S. Woodward, Jr., 1901, president; Elizabeth Carpenter Roberts, 1901, secretary, 189 Madison Avenue, Flushing, L. I.

Teachers College.—David S. Snedden, '01 A. M., president; Laura B. Whittemore, 1900 T. C., secretary, Teachers College, Columbia University.

College of Pharmacy.—Leo W. Geisler, Jr., president; Curt P. Wimmer, 1902 Phar., secretary, 115 W. 68th St.

Local

California Association.—Henry J. Eickhoff, '75 L, president; John C. Spencer, '82, '85 M, secretary, Butler Building, San Francisco, Cal.

China Association.—Dr. F. L. Hawks-Pott, '83, president; F. E. Hinckley, 1905 Ph.D., secretary and treasurer, Clerk, United States Court for China, Shanghai, China.

Colorado Association.—Richard A. Parker, '78 S, president; Roger W. Toll, 1906 S, secretary and treasurer, 661 Humboldt Street, Denver, Colo.

Columbia (Missouri) Association.—Isidor Loeb, 1901 Ph.D., president; E. W. Hinton, '91 L, secretary, Columbia, Mo.

Connecticut Association.—Rev. N. Ellsworth Cornwall, '62, president; John D. Irving, '96, secretary, Yale University, New Haven, Conn.

Cuba.—Dr. Aristides Agramonte, '92 M, president; Humberto Fonts, '09 S, secretary, Empedrado 59, Havana, Cuba.

District of Columbia Association.—Marcus Benjamin, '78 S, president; George O. Totten, Jr., '91 Arch., secretary, 808–17th Street, N. W., Washington, D. C.

Illinois Association.—Henry L Hollis, '85 S, president; Dr. Emory Hill, '04, secretary and treasurer, 22 E. Washington St., Chicago, Ill.

Indiana Association.—N. Waring Barnes, '03, '05 A. M., president; Professor George H. Danton, '02, secretary, Butler College, Indianapolis, Ind.

Japan.—Prof. Naokichi Matsui, '78 S, president; Rev. Kentok Hori, '07 A. M., secretary, College of Literature, Imperial University of Tokio, Tokio, Japan.

Kansas City Association.—John C. Meredith, '86 L, president; David M. Proctor, 1905 L, secretary, 431 Scarritt Building, Kansas City, Mo.

Kentucky Association.—George G. Briggs, '88 L, president; F. A. Busse, 1903 S, secretary, 800 Third Street, Louisville, Ky.

Louisiana Association.—Ralph J. Schwarz, 1905 L, president; secretary, resigned.

Madison (Wisconsin) Association.—John L. Kind, 1906 Ph.D., president; secretary, resigned.

Mexico.—Victor M. Braschi, '81 S, president; Herbert C. Enos, 1906 S, secretary, P. O. Box 1583, Gante No.1, Mexico City, Mexico.

Michigan Association.—E. Taylor Tappey, '79 M, president; Theodore A. McGraw, Jr., 1902 M, secretary, 73 Cass Street, Detroit, Mich.

Minnesota Association.—H. B. Sweetser, '85 M, president; Prof. J. B. Miner, '03 Ph. D., secretary and treasurer, University of Minnesota, Minneapolis, Minn.

Nashville Association. — Paul F. Eve, '80 M, president; Eugene Tavenner, 1901, secretary, Murfreesboro, Tenn.

Nebraska Association.—Harley G. Moorhead, 1902 L, president; Dr. C. W. Pollard, '99 M, secretary, Paxton Block, Omaha, Neb.

New England Association.—Frederick R. Kneeland, '99 S, president; Franklin S. Hoyt, 1905 A.M., secretary and treasurer, care Houghton, Mifflin & Co., 4 Park Street, Boston, Mass.

New Jersey Association.—William O. Wiley, '82, president; W. G. Brandley, '08, secretary, 164 Market Street, Newark, N. J.

New York (Northern) Association.—President, resigned; Roelif H. Brooks, '00, secretary, 80 Lancaster Street, Albany, N. Y.

New York (Western) Association.—Eugene L. Falk, '87 L, president; E. Lyman Tilden, 1902 L, secretary, 606 White Building, Buffalo, N. Y.

North Carolina Association.—Charles L. Raper, 1902 Ph.D., president, Chapel Hill, N. C.; Henry J. Highsmith, T.C., secretary and treasurer, Wake Forest College, Wake Forest, N. C.

Ohio (Northern) Association (Cleveland).—H. G. Sherman, '80 M, president; Frederic William Streibinger, '95 Arch., secretary and treasurer, 1215 New England Building, Cleveland, Ohio.

Ohio (Central) Association (Columbus).—Organization informal. Address Professor F. P. Graves, Ohio State University, Columbus, O.

Paris Association.—Rev. John B. Morgan, '64, president; Charles F. Beach, Jr., '81 L, secretary, 95 rue des Petits-Champs, Paris, France.

Pennsylvania (Northeastern) Association.—J. Maxwell Carrere, '83 S, president; Clarence D. Shrady, '95 S, secretary, Allentown, Pa.

Pennsylvania (Philadelphia) Association.—Lemuel Whitaker, '81, Southern High School, Philadelphia, Pa., president; Stanley Kidder Wilson, 1902, secretary-treasurer, Swarthmore, Pa.

Pennsylvania (Pittsburgh) Association.—James M. Clark, '87 A.M., L., president; W. J. Strassburger, '01 Arch., secretary, Glassmere, Pa.

St. Louis Association.—Hon. Julius S. Walsh, '64 L, president; William E. Baird, '02 L, secretary and treasurer, Law Dept., City Hall, St. Louis, Mo.

Utah.—Alvah C. Lewis, '77 M, president; C. H. Doolittle, '85 S, secretary, 508 McCornick Building, Salt Lake City, Utah.

Virginia Association.—M. A. Martin, 1905 A.M., president, Woman's College, Richmond, Va.; Jackson Davis, 1908 A.M., secretary and treasurer, Board of Examiners, Petersburg, Va.

Washington Association.—Bruce Elmore, '00, '03 M., president; J. S. Coté, secretary, 520 Haight Building, Seattle, Wash.

Wisconsin Association.—Alfred W. Gray, '99 M, president; H. W. Buemming, '95 Arch., secretary, 521 Jackson Street, Milwaukee, Wisconsin.

Yonkers Association.—Thomas Ewing, Jr., '85, president; James F. Prince, '08, secretary, 87 N. Broadway, Yonkers, N. Y.

UNIVERSITY PUBLICATIONS

I. Official Publications of Columbia University

Unless otherwise stated, all the publications named below are distributed without charge upon application to the Secretary of Columbia University.

Annual Catalogue: See Table of Contents, pages iii–x. Issued each December. Price, 25 cents.

Annual Reports of the President and the Treasurer to the Trustees: issued each November.

Directory of Officers and Students: issued each year soon after the opening of the University; contains the names, office hours, and addresses of the officers of the University, and the names and addresses of the students registered up to the time of publication.

General Catalogue of the Alumni: issued sextennially; contains the names and addresses of all graduates of the University. The current edition is that of 1906. Price, $2.00. For sale at the University Press Bookstore and in the office of the Alumni Council.

Announcements of the various parts of the work of the University are issued in the spring of each year and contain detailed information concerning admission, expenses, courses of instruction to be given during the coming year, and requirements for degrees. They include:

Columbia College, for the work for men leading to the degree of Bachelor of Arts.

School of Law, for the work leading to the degree of Bachelor of Laws.

College of Physicians and Surgeons, for the work leading to the degree of Doctor of Medicine.

Schools of Mines, Engineering, and Chemistry, courses in Mining and Metallurgy, in Chemistry, and in Civil, Electrical, and Mechanical Engineering.

Faculties of Political Science, Philosophy, and Pure Science, for all non-professional advanced work leading to the degrees of Master of Arts and Doctor of Philosophy.

Faculty of Fine Arts, including courses given in the School of Architecture, the School of Music, the School of Design, and in the Departments of Fine Arts and Music in Teachers College, and courses in allied subjects.

Yale-Columbia Courses in Foreign Service.

Extension Teaching.

Residence Halls.

Summer Session.

Circular of Information as to Entrance Examinations and Admission.

Circular of General Information. Views of the University buildings.

Student Organizations, Athletic and Other, under the supervision of the Comptroller of Student Organizations.

Announcements of the several divisions of the University are issued in the spring, and contain full information concerning the work of the coming year, or years, in those divisions. These circulars are devoted to Ancient and Oriental Languages; Biology; Chemistry; Geology, Geography, and Mineralogy; History, Economics, and Public Law; Mathematical and Physical Science; Modern Languages and Literatures; Physical Education; Philosophy, Psychology, and Anthropology.

Publications of Barnard College:

Announcement of Barnard College: contains full information concerning admission, expenses, courses of instruction, and requirements for the degree of Bachelor of Arts.

Report of the Dean: issued yearly.

These publications are distributed without charge upon application to the Secretary of Barnard College.

Publications of Teachers College:

Announcement of Teachers College: issued annually; contains full information concerning the organization, equipment, and work of this institution, the Department of Education of Columbia University.

Report of the Dean: issued each November.

Special Circulars describing the work of the departments of:

Educational Psychology, History and Philosophy of Education, Educational Administration, Secondary Education, Elementary Education, Physical Education, Kindergarten, Domestic Art, Domestic Science, Fine Arts, Industrial Arts, Music, and of other departments.

These may be obtained without charge upon application to the Secretary of Teachers College.

Circular of the Horace Mann School; a school fully equipped with kindergarten, elementary, and secondary classes, maintained by Teachers College as a school of observation.

This circular may be obtained without charge upon application to the Superintendent of the Horace Mann School.

Publications of the College of Pharmacy:

Announcement of the College of Pharmacy: issued annually; contains full information concerning the organization, equipment, and work of this institution.

A University Bibliography containing a list of publications, contributions, and serial studies from the University, a list of publications of the officers for the year 1911, and a list of journals issued under the editorial direction of the officers, will be published in January, 1912.

II. The Columbia University Press

The Columbia University Press was organized with the approval of the Trustees of Columbia College and was incorporated June 8, 1893, for the purpose of promoting the publication of works embodying the results of original research. The Press is a private corporation, related directly to Columbia University by the provisions that its Trustees must always be officers of the University, and that the President of the University shall be the President of the Press.

Trustees

THE PRESIDENT OF THE UNIVERSITY (*ex-officio*)
WILLIAM H. CARPENTER, *Secretary*
JOHN B. PINE, *Treasurer*

Professors MATTHEWS, GIDDINGS, WILSON, HOWE, LEE, and A. H. THORNDIKE, and Mr. JOHNSTON.

III. Alumni and Student Publications at Columbia University

The Alumni Journal.—1893; published monthly in the interest of the Alumni Association of the College of Pharmacy; per copy, 10c.; per year, $1.

The Barnard Bear.—1905; a literary supplement to the Barnard Bulletin; stories, verse, essays, editorials; monthly, Nov. to June; per copy, 20c.; per year, $1.50.

The Barnard Bulletin.—1901; four pages, weekly, Barnard College news; per copy, 5c.; per year, $1.50.

The Columbia Alumni News.—1909; twelve pages, weekly; except June, July, August, and September, when it is published monthly; Alumni, University, and faculty news; per copy, 10c.; per year, $2.00. Robert Arrowsmith, '81, editor; R. A. Meyers, '02, business editor.

The Bulletin of the Society of Columbia University Architects.—1906; alumni notes, news of the School of Architecture, etc.; published irregularly; per copy, 10c.; per year, 25c.

The Columbia Bluebook.—1900; a small handbook, containing information in regard to every form of student activity at Columbia and an engagement calendar; published by the Christian Association and distributed free to all new students in the University each year; editor for 1911–12 E. H. Downes, 1913 C.

The Columbia Jester.—1901; an illustrated comic paper, monthly during the college year; averages ten pages of reading matter with illustrations, cartoon, and a cover; per copy, 15c.; per year, $1.00 (by mail, $1.20).

The Columbia Law Review.—1901; legal articles and book reviews by writers of recognized authority, and comment upon recent cases by the editors; edited by a board of about sixteen students of the School of Law; monthly, November to June; (70 pp.); per copy, 30c.; per year, $2.00.

The Columbia Monthly.—Founded in 1903, by the combination of the *Columbia Literary Monthly* (1893) and *Morningside* (1896); an illustrated magazine; articles on Columbia University, of historical and of immediate interest, stories, verse, essays, editorials, and book reviews; monthly, November to June; per year, $1.00.

The Columbia University Quarterly.—1899; a magazine of general University information; quarterly; averages one hundred pages; per copy, 25c.; per year, $1.00; R. Tombo, Jr., managing editor.

The Columbian.—The annual; a bound illustrated volume, containing statistics of athletics, fraternity membership, class achievements, and other information concerning student life; published by third-year men, six elected from Columbia College and six from the Schools of Applied Science. Volume XXII was published by the class of 1912.

The Columbia Spectator.—1877; published daily, except Sunday, edited by a managing board of five, assisted by a board of six editors and from twelve to twenty-five associate editors; per copy, 3c.; per year, $3.50.

The Dorms.—1906; a bulletin of affairs at the dormitories; eight pages, weekly during the college year; dormitory news, short articles, editorials, poems, cartoons; per copy, 5c.; per year, 75c.

The Household Arts Review.—1908; published three times a year by the Household Arts Club of Teachers College; articles on household arts topics, book reviews, college notes, editorials, illustrations; per copy, 20c.; per year, 50c.

The Mortarboard.—1897; an annual corresponding to the *Columbian* but more literary in character, including, besides the history of the junior class, poems, stories, sketches, etc.; published by a board of about eight third-year students of Barnard College; price, $1.00.

The Physical Education News.—1910; eight pages, illustrated, published irregularly by the Physical Education Department, Teachers College; articles on physical education, department news and announcements, editorials; per copy, 5c.

The School of Mines Quarterly.—Published quarterly in the interest of the School of Mines; per copy, 25c.; per year, $1.00.

The Senior Class-Book.—A book privately printed by the graduating class of Columbia College, through an editorial board, and distributed on class-day. Revived by the class of 1899, it has been continued by the succeeding classes; includes pictures and autobiographies of the members, letters from the faculty, and the class-day speeches.

Year-Book of the Columbia University School of Architecture.—1904; architectural annual, published by the Architectural Society, showing work in the departments of design and drawing.

SPECIAL FUNDS

The following funds have been given to the Trustees from time to time and are held by them for the purposes specified:

GEBHARD FUND:
Bequest of Frederick Gebhard of $20,000, for the endowment of a professorship in the German Language and Literature. 1843

HARSEN PRIZE FUND:
Bequest of Jacob Harsen, M.D., Class of 1825, of $31,114.10, for the endowment of prizes to be awarded to students in the College of Physicians and Surgeons. 1859

MOFFAT SCHOLARSHIP FUND:
Bequest of William B. Moffat, M.D., Class of 1838, of $2000, for the endowment of scholarships. 1862

STEVENS PRIZE FUND:
Gift of Dr. A. H. Stevens, Professor of Surgery, 1860–1867, of $1899.88, for the endowment of a prize. 1866

JOSEPH MATHER SMITH PRIZE FUND:
Subscription fund of $2337.81, as a memorial of Dr. Smith, for the endowment of a prize in the College of Physicians and Surgeons. 1874

CHANLER PRIZE FUND:
Bequest of John Winthrop Chanler, Class of 1847, of $1000, for the endowment of an essay prize. 1877

SCHERMERHORN SCHOLARSHIP FUND:
Bequest of John Jones Schermerhorn, Class of 1825, of $5000, for the endowment of scholarships. 1877

TYNDALL FELLOWSHIP FUND:
Gift of John Tyndall, LL.D., Professor of Natural History in the Royal Institution of Great Britain, of $10,945.50, for the endowment of a fellowship in Physics 1885

ALONZO CLARK SCHOLARSHIP FUND:
Gift of $14,000 as a memorial of Alonzo Clark, President of the College of Physicians and Surgeons, 1875–1884, for the endowment of a scholarship. 1887

McKim Fund:

Gift of Charles F. McKim of $20,000, for the endowment of travelling fellowships in Architecture. 1889

Columbia Fellowship in Architecture Fund:

Gift of F. Augustus Schermerhorn, Class of 1868, of $13,000, to the School of Architecture, applied to the endowment of a travelling fellowship in Architecture. 1889

Barnard Fund for the Increase of the Library:

Bequest by President Barnard of $59,501.64, and augmented by a bequest by his widow, Margaret M. Barnard, of $16,231.67, to endow a fund for the purchase of books, especially those relating to physical or astronomical science, and for the award of a medal for discovery in Physics or Astronomy. 1889 and 1902

Barnard Fellowship Fund:

Bequest by President Barnard of $10,000, for the endowment of a fellowship for encouraging scientific research. 1889

DaCosta Fund:

Bequest of Charles M. DaCosta, Class of 1855, Trustee 1886–1890, of $100,000, has provided $86,576.83, applied to the endowment of the DaCosta Professorship of Zoölogy; and of $20,000 used for fitting up the DaCosta Laboratory of Zoölogy. 1890

Sloane Maternity Hospital Fund:

Gift of William D. Sloane and Emily Thorn Vanderbilt Sloane, of $475,000, for the endowment of the Hospital. 1890, 1904

Vanderbilt Clinic Endowment Fund:

Gift of Cornelius Vanderbilt, William K. Vanderbilt, Frederick W. Vanderbilt, and George W. Vanderbilt, of $115,000, for the endowment of the Clinic. 1890

Avery Architectural Fund:

Gift of Samuel P. Avery and Mary Ogden Avery of $30,000, in memory of their deceased son, Henry Ogden Avery. The income to be applied to the purchase of books relating to architecture, decorations, and allied arts. Augmented in 1910 by $20,000. 1890

Loubat Fund:

Gift of Joseph F. Loubat of $7000, for the endowment of two prizes of $1000 and $400 to be awarded once in every five years. 1892

TROWBRIDGE FUND:

Gift of $10,000, for the endowment of a fellowship in Engineering as a memorial of William P. Trowbridge, Ph.D., LL.D., Professor of Mining Engineering, 1877–1892,[1] subject at present to a life interest. 1893

PULITZER SCHOLARSHIP FUND:

Gift of Joseph Pulitzer of $100,000, for the endowment of scholarships. One half of the sum to be used on improvements on the new site at 116th Street. 1893

BENNETT PRIZE FUND:

Gift of James Gordon Bennett of $1000 for the endowment of an essay prize. 1893

HENRY DRISLER CLASSICAL FUND:

Gift of $10,000, presented by Seth Low, LL.D., Class of 1870, in commemoration of the semi-centennial of Professor Drisler in the service of the College, for the endowment of a fund for the purchase of books and works of art for the Greek and Latin departments. 1894

CLARK SCHOLARSHIP FUND:

Bequest of the late Alonzo Clark, M.D., of $14,000, for the purpose of promoting the discovery of new facts in medical science. 1894

GRANT SQUIRES FUND:

Gift of Grant Squires, Class of 1885, of $1050, for the endowment of an essay prize. 1895

STUART SCHOLARSHIP FUND:

Gift of Mrs. Cornelia A. Atwill of $6000, for the endowment of the "Stuart Scholarships" in memory of her grandsons, Sidney Barculo Stuart, Class of 1880, and Eugene Talman Stuart, Class of 1881. 1896

ALEXANDER I. COTHEAL FUND FOR THE INCREASE OF THE LIBRARY:

Gift of Mrs. Samuel R. Lawrence and Mrs. James R. Swords of $6000, in memory of their brother, Alexander I. Cotheal, for the endowment of a fund for the purchase of books in the Oriental languages, or relating to Oriental subjects. 1896

ROBERT CENTER FUND FOR INSTRUCTION IN MUSIC:

Gift of Mrs. Mary Elizabeth Ludlow of real estate and securities valued at $178,046.50, for the endowment of a fund for instruction in music as a memorial of her son, Robert Center, applied to the maintenance of a professorship. 1896

[1] Income paid to Mrs. Trowbridge during pleasure of Trustees.

STUDENTS' LOAN FUND:

Gift of Jacob H. Schiff of $5000, for the aid of needy students. 1896

H. C. BUNNER PRIZE FUND:

Gift of $1000, for the endowment of an essay prize. 1896

ILLIG FUND:

Bequest of William C. Illig, Class of 1882 (S. of M.), of $2000, for the endowment of scholarship medals. 1897

MOSENTHAL FELLOWSHIP FUND:

Gift of friends of the late Joseph Mosenthal of $7500, to found a fellowship in Music. 1898

PERKINS FELLOWSHIP FUND:

Bequest of Willard B. Perkins of $5700, for a travelling fellowship in Architecture, awarded quadrennially. 1898

SCHIFF FELLOWSHIP FUND:

Gift of Jacob H. Schiff of $15,000, to found a fellowship to be awarded by the Faculty of Political Science on the nomination of the donor or his eldest living male descendant. 1898

SEIDL FUND:

The proceeds, amounting to $12,000, of a memorial performance (March 23, 1899), in honor of the late Anton Seidl. The income to be paid to Mrs. Seidl during her lifetime, and thereafter "to be applied to a Fellowship in Music in Columbia University." 1899

WARING MUNICIPAL FUND:

The Chamber of Commerce of the State of New York, in 1898, raised by public subscription the sum of $100,000, to perpetuate the memory of the late Col. George E. Waring. The income thereof to be paid to the widow and daughter of Colonel Waring during their lifetime, and thereafter to be devoted to instruction in municipal affairs. 1899

FUND FOR THE ENDOWMENT OF THE ABRAHAM JACOBI WARD FOR CHILDREN IN ROOSEVELT HOSPITAL:

Gift of an anonymous donor of $50,000, "to endow a ward for children in the Roosevelt Hospital." 1899

BECK FUNDS:

The late Charles Bathgate Beck, A.B. Class of 1877, LL.B. Class of 1879 (who died in 1894), bequeathed the sum of $10,000: $2000 to found one scholarship in Columbia College; $8000 to endow a prize in the Law School. 1899

CURTIS FUND:

Gift of the George William Curtis Memorial Committee of $10,000, to establish the George William Curtis Fellowship in the School of Political Science. 1899

DYCKMAN FUND:

Gift of Isaac Michael Dyckman of $10,000, in memory of his uncles, Dr. Jacob Dyckman and Dr. James Dyckman, both of the College of Physicians and Surgeons, to establish the "Dyckman Fund for the Encouragement of Biological Research." 1899

ALEXANDER MONCRIEF PROUDFIT FELLOWSHIP FUND:

Legacy of $15,000 from the late Alexander Moncrief Proudfit, to found the Alexander Moncrief Proudfit Fellowship in Letters. 1899

MARIA MCLEAN PROUDFIT FELLOWSHIP FUND, SCHOOL OF MEDICINE:

Legacy of $15,000 from the late Alexander Moncrief Proudfit, to found the Maria McLean Proudfit Fellowship in Medicine. 1899

TRUST FUND FOR PSYCHOLOGY:

Gift of $100,000 from John D. Rockefeller, as an endowment of the head professorship of the Psychological Department of Columbia University. 1899

CARL SCHURZ FELLOWSHIP FUND:

Fund of $10,000 from the Carl Schurz Fund Committee, to establish a fellowship in honor of Carl Schurz. 1900

CARL SCHURZ LIBRARY FUND:

Fund of $10,000 from the Carl Schurz Fund Committee, established in honor of Carl Schurz, the income to strengthen the Library in the field of the German Language and Literature. 1900

LAW BOOK TRUST FUND:

Created by act of the Trustees on March 5, 1900, by the consolidation of the Alexander Cole Gift ($1500); John Jay Jenkins Legacy ($500); John McKeon Fund ($1000); Sampson Simpson Fund ($1000); and the Edgar J. Nathan Gift ($250); total, $4250, the income to be applied to the purchase of law books; and by act of the Finance Committee, October 2, 1907, by adding the Payne Law Gift ($1000). 1900

CAMPBELL SCHOLARSHIP FUND:

Gifts of $3000 each from Miss Maria L. Campbell and Miss Catharine B. Campbell, for the establishment of two scholarships in the College, in memory of Robert B. Campbell of the Class of 1844, and Henry P. Campbell of the Class of 1847. 1900

GERMAN LECTURE FUND:

Gifts to the sum of $1000 for an endowment of Public Lectures in German at the University. 1901

EATON PROFESSORSHIP FUND:

Bequest of the late Dorman B. Eaton of $100,000, to endow and maintain a Professorship of Administrative Law and Municipal Science. 1901

DEAN LUNG PROFESSORSHIP IN CHINESE FUND:

Gift of anonymous friends of $225,000, towards the founding of a Department of Chinese Languages, Literatures, Religion, and Law, and especially for the establishment of the Dean Lung Professorship of Chinese. 1901

CLASS OF 1848 SCHOLARSHIP FUND:

Gift of $10,000 of an anonymous friend to found two scholarships in the College. 1902

GEORGE WILLIAM CURTIS MEDALS FUND:

Gift of $1300 from an associate of George William Curtis in the Civil Service Reform work to establish this fund. 1902

PHILOLEXIAN CENTENNIAL WASHINGTON PRIZE FUND:

Gift of $1000 to the Philolexian Society from J. Ackerman Coles, Class of 1864. The accumulated interest is to be expended every four years for a duplicate of the life-size bronze bust of George Washington, modelled from life at Mount Vernon, by Jean Antoine Houdon, to be cast at the Barbedienne Foundry, Paris, France. The bust will be given to that member of the Philolexian Society who, in the opinion of the President of the University, the President of the Society, and a third man of their choosing, shall be deemed most worthy, upon his delivery of an original patriotic address. 1902

PHŒNIX LEGACY:

Amounting at present to $208,390.22, being on account of one-third part of the residuary estate of the late Stephen Whitney Phœnix, bequeathed to Columbia College in 1881. 1902

JULIUS BEER LECTURE FUND:

Legacy of the late Julius Beer of $10,000 to establish this fund. 1903

JAMES S. CARPENTIER FUND:

Gift of $300,000 from General Horace W. Carpentier of the Class of 1848, in memory of his brother, James S. Carpentier, for the benefit of the Law School. 1903

GUSTAV GOTTHEIL FELLOWSHIP FUND:
Gift of $10,000 from Temple Emanu-El to establish a fellowship, the holder to be nominated by the Professors in the Semitic Languages. 1903

LOUBAT PROFESSORSHIP FUND:
Gift of $100,000 from Joseph F. Loubat to establish the Loubat Professorship in American Archæology. 1903

RICHARD BUTLER SCHOLARSHIP FUND:
Gift of $5000 from Mrs. Richard Butler in memory of her deceased husband, Richard Butler, open to students born in the State of Ohio. 1903

DARLING PRIZE FUND:
Bequest of the late Edward A. Darling, formerly Superintendent of Buildings and Grounds, of $1000 to endow an annual prize in the School of Engineering. 1903

JOSEPH PULITZER FUND FOR SCHOOL OF JOURNALISM:
Gift of $1,046,015.62 from Joseph Pulitzer to establish and endow a School of Journalism in Columbia University. 1903

R. S. CARPENTIER FUND:
Gift of $100,000 from H. W. Carpentier, '48, towards a professorship in the Medical School, in memory of Reuben S. Carpentier. 1904

CORNELIUS HEENEY GOTTSBERGER SCHOLARSHIP FUND:
Bequest of Ellen Josephine Banker of $9500 to establish a scholarship in memory of her deceased brother, Cornelius Heeney Gottsberger. 1904

PHILOLEXIAN PRIZE FUND:
Fund of $1376.80 from the Philolexian Society, the income to be paid to the Society for prizes. 1904

TOPPAN PRIZE FUND:
Gift of $4000 from Mrs. Sarah M. Toppan to endow, in memory of her late husband, Robert Noxon Toppan, a prize in the School of Law. 1904

ERNEST KEMPTON ADAMS FUND FOR PHYSICAL RESEARCH:
Gift of $50,000 from Edward D. Adams, in memory of his son, the late Ernest Kempton Adams, E.E., 1897; A.M., 1898. 1904

GARTH MEMORIAL FUND:
Gift of $16,250 from Horace E. Garth to establish a fellowship in Political Economy in memory of his son, the late Granville W. Garth. 1904

GUY B. MILLER FUND:

Bequest of the late Guy B. Miller of $10,000, of the Class of 1898, College of Physicians and Surgeons, for general purposes of the Medical School. 1904

SCHIFF PROFESSORSHIP FUND:

Gift of $100,000 from Jacob H. Schiff for the endowment of a Professorship of Social Economy in order to make possible a close affiliation between Columbia University and the New York School of Philanthropy. 1905

THEODORE ROOSEVELT PROFESSORSHIP FUND:

Gift of James Speyer of $50,000 for the endowment of a professorship of American History and Institutions in the University of Berlin. 1905

MATHEMATICAL PRIZE FUND:

Gift of Mrs. Louis T. Hoyt of $5000, in memory of her nephew, John Dash Van Buren, Jr. 1906

E. B. CONVERS PRIZE FUND:

Gift of Miss Alice and Miss Clara B. Convers of $1000, in memory of their brother, Ebenezer Buckingham Convers, LL.B., 1866, to endow a prize in the Law School. 1906

EDWARD R. CARPENTIER FUND:

Gift of Mrs. Maria H. Williamson of $250,000 for the endowment of a professorship or an endowed lectureship on the Origin and Growth of Civilizations among Men. 1906

BLUMENTHAL FUND:

Gift of George Blumenthal of $100,075 for the endowment of a Chair of Politics. 1906

HENRY BERGH FUND:

Anonymous gift of $100,000, the income to be used for the inculcating of a spirit of kindness and consideration toward the lower animals. 1907

EARLE PRIZE FUND:

Gift of $907.87 from the Earle Memorial Committee to establish the Earle Prize in classics. 1907

GEORGE G. WHEELOCK FUND:

Gift of $5000 from Mrs. George G. Wheelock and William A. Wheelock to establish, in memory of the late Dr. George G. Wheelock, the George G. Wheelock Fund, the income to be used for the needs of the Department of Physiology. 1907

INDO-IRANIAN FUND:

Anonymous gift of $ 15,000, the income to be used for the maintenance of the Department of Indo-Iranian Languages. 1908

NATHANIEL CURRIER FUND:

Legacy of $50,000, from Laura Currier, to establish the Nathaniel Currier Fund for the purchase of books for the Library. 1908

REVEREND ORLANDO HARRIMAN FUND:

Gift of $102,500, from the children of the late Reverend Orlando Harriman, of the Class of 1835, as a memorial to their father, the income, until further action by the Trustees, to be applied to the salary of the Professor of Rhetoric and English. 1908

WILLIAM MITCHELL FELLOWSHIP FUND:

Legacy of $10,000 from the late Benjamin D. Silliman to establish, in honor and memory of his friend William Mitchell, deceased, the William Mitchell Fellowship Fund in Letters or Science. 1908

WILLIAM BROCK SHOEMAKER FUND:

Gift of $10,000 from Ella de Peyster Shoemaker and Henry I. Shoemaker, to establish a fund in memory of William Brock Shoemaker, of the Class of 1902, for the aid of self-supporting students. 1908

D. WILLIS JAMES FUND:

Legacy of $100,000, from the late D. Willis James, to be devoted to the Chair of Geology. 1908

SAMUEL ANTHONY GOLDSCHMIDT FELLOWSHIP FUND:

Gift of $16,250, from George B. Goldschmidt to establish and endow the Samuel Anthony Goldschmidt Fellowship in Chemistry, in memory of Samuel Anthony Goldschmidt, of the Class of 1868. 1908

JOHN ORDRONAUX PRIZE FUND:

Legacy of $3000, from the late John Ordronaux, Professor of Medical Jurisprudence, 1860–1897, and Emeritus Professor 1898–1908, to establish prizes in the Law School. 1908

GEORGE BLUMENTHAL, JR., SCHOLARSHIP FUND:

Gift of $14,500 from Mr. and Mrs. George Blumenthal to establish a fund for the cost of tuition of students of Medicine or for other purposes. 1909

COLUMBIA HUDSON FULTON PRIZE FUND:

Gift of $1000 from the representatives of the various committees having charge of the reception given on the University grounds in October, 1909, under the auspices of the Hudson Fulton Celebration Commission, the income to be used for an annual prize or prizes to be known as the Columbia Hudson Fulton Prize, or Prizes, for an athletic event. 1909

CHARLES M. ROLKER, JR., PRIZE FUND:

Gift of $1000 from Mrs. Charles M. Rolker, the annual income to constitute a prize to be publicly awarded on Class Day of each year to that member of the graduate class in Columbia College who, in the judgment of his classmates, has proven himself most worthy of special distinction as an undergraduate student, as a scholar, or because of his helpful participation in student activities, or because of his pre-eminence in athletic sports. 1909

CLASS OF 1885, SCHOOL OF MINES, FUND:

Gift of $7000 of the Class of 1885, School of Mines, in celebration of its twenty-fifth anniversary of their graduation, the income to be applied to the maintenance of a scholarship in the Schools of Applied Science. 1910

JOHN W. BURGESS FUND:

Gift of $100,000 from anonymous donors to the general endowment of the University. 1910

JOHN STEWART KENNEDY ENDOWMENT FUND:

The legacy of $1,975,000 from the late John Stewart Kennedy, a Trustee of Columbia College 1903–1909. 1910

DR. ABRAHAM DUBOIS MEMORIAL FUND:

Gift of $18,000 from William A. DuBois, Matthew B. DuBois, and Katherine DuBois, the income to be applied to the maintenance of a fellowship to be known as the "Dr. Abraham DuBois Fellowship," to be open to a graduate of the College of Physicians and Surgeons devoting himself to the subject of the diseases. 1910

CHARLES FREDERICK CHANDLER FUND:

Gift of $5000 from Alumni, the income to be applied to the delivery and publication of at least one public lecture each year on some phase of the science of Chemistry. 1910

PROFESSOR VAN AMRINGE PRIZE FUND:

Gift of $2500 from George G. DeWitt, Class of 1867, to establish a prize in mathematics in Columbia College. 1910

CAROLINE PHELPS STOKES FUND:

Legacy of $20,000 from the late Caroline Phelps Stokes, the income to be used for lectures, prizes, or essays by the students of Columbia, Barnard College, and Teachers College. 1910

COLUMBIA UNIVERSITY FOOTBALL ASSOCIATION FUND:

Gift of $10,037.72 from the Columbia University Football Association, the income to be applied to the support of teams or crews representing Columbia in intercollegiate sports. 1911

GEORGE CROCKER SPECIAL RESEARCH FUND:

Legacy of $693,333.33 from the late George Crocker, the income to be used in cancer research. 1911

RICHARD WATSON GILDER FUND:

Gift of $45,362.51 from the friends of the late Richard Watson Gilder, the income to provide fellowships for the investigation and study of political and social conditions in the country and abroad. 1911

LAW SCHOOL ALUMNI LIBRARY FUND:

Anonymous gift of $2500, the income to be used for the increase of the Law Library. 1911

WILLIAM T. BULL MEMORIAL FUND:

Gift of $32,119.45 from the William T. Bull Memorial Fund Committee, the income to be applied to the cost of original research under the Department of Surgery 1911

ACADEMIC CALENDAR

1911–1913

1911—Sept. 18—Monday, Entrance examinations and examinations for deficient and debarred students begin.

Sept. 20—Wednesday, Registration begins.

Sept. 26—Tuesday, Registration ceases for students previously matriculated, except in the graduate schools. Later applications received only on payment of an additional fee of $5.

Sept. 27—Wednesday, First half-year, 158th year, begins. Registration ceases for students not previously matriculated, except in the graduate schools. Later applications received only on payment of an additional fee of $5. Fellows and Scholars to report to the Registrar.

Sept. 30—Saturday, Registration ceases in the graduate schools. Later applications received only on payment of an additional fee of $5.

Oct. 17—Tuesday, Stated meeting of University Council.

Nov. 7—Tuesday, Election Day, holiday.

Nov. 29—Wednesday, University service in St. Paul's chapel.

Nov. 30—Thursday, to December 2, Saturday, inclusive, Thanksgiving holidays.

Dec. 15—Friday, Last day for filing applications and presenting essay for the degree of Master of Arts, if the degree is to be conferred in February.

Dec. 19—Tuesday, Stated meeting of University Council.

Dec. 20—Wednesday, to

1912—Jan. 2—Tuesday, inclusive, Christmas holidays.

Jan. 15—Monday, Mid-year entrance examinations begin.

Jan. 24—Wednesday, Mid-year examinations begin.

Feb. 6—Tuesday, First half-year ends.

Feb. 7—Wednesday, Second half-year begins. University service in St. Paul's chapel. Registration ceases for students entering second half-year. Later applications received only on payment of an additional fee of $5. Fellows and Scholars to report to the Registrar.

Feb. 12—Monday, Alumni Day.
Feb. 20—Tuesday, Stated meeting of University Council.
Feb. 22—Thursday, Washington's Birthday, holiday.
Mar. 1—Friday, Last day for filing applications for University Fellowships.
Apr. 1—Monday, Last day for filing applications for examination for the degree of Doctor of Philosophy, if the degree is to be conferred in June. Last day for filing applications for University Scholarships.
Apr. 4—Thursday, to April 8, Monday inclusive, Easter holidays.
Apr. 15—Monday, Last day for filing applications and presenting essay for the degree of Master of Arts, if the degree is to be conferred in June.
Apr. 16—Tuesday, Stated meeting of University Council.
May 20—Monday, Final examinations begin.
May 30—Thursday, Memorial Day, holiday.
June 2—Sunday, Baccalaureate service.
June 3—Monday, Class Day.
June 5—Wednesday, Commencement Day.
June 12—Wednesday, Second half-year ends.
June 17—Monday, Entrance examinations begin.
July 8—Monday, Thirteenth Summer Session opens.
July 15—Monday, Last day for filing applications and presenting essay for the degree of Master of Arts, if the degree is to be conferred in October.
Aug. 17—Saturday, Thirteenth Summer Session closes.
Sept. 16—Monday, Entrance examinations and examinations for deficient and debarred students begin.
Sept. 18—Wednesday, Registration begins.
Sept. 24—Tuesday, Registration ceases for students previously matriculated, except in the graduate schools. Later applications received only on payment of an additional fee of $5.
Sept. 25—Wednesday, First half-year, 159th year, begins. Registration ceases for students not previously matriculated, except in the graduate schools. Later applications received only on payment of an additional fee of $5. Fellows and Scholars to report to the Registrar.
Sept. 28—Saturday, Registration ceases in the graduate schools. Later applications received only on payment of an additional fee of $5.
Oct. 15—Tuesday, Stated meeting of University Council.
Nov. 5—Tuesday, Election Day, holiday.

Nov. 27—Wednesday, University service in St. Paul's Chapel,
Nov. 28—Thursday, to Nov. 30, Saturday, inclusive, Thanksgiving holidays.
Dec. 14—Saturday, Last day for filing applications and presenting essay for the degree of Master of Arts, if the degree is to be conferred in February.
Dec. 17—Tuesday, Stated meeting of University Council.
Dec. 23—Monday, to
1913—Jan. 4—Saturday, inclusive, Christmas holidays.
Jan. 13—Monday, Mid-year entrance examinations begin.
Jan. 22—Wednesday, Mid-year examinations begin.
Feb. 4—Tuesday, First half-year ends.
Feb. 5—Wednesday, Second half-year begins. University service in St. Paul's chapel. Registration ceases for students entering second half-year. Later applications received only on payment of an additional fee of $5. Fellows and Scholars to report to the Registrar.
Feb. 12—Wednesday, Alumni Day.
Feb. 18—Tuesday, Stated meeting of University Council.
Feb. 22—Saturday, Washington's Birthday, holiday.
Mar. 1—Saturday, Last day for filing applications for University Fellowships.
Mar. 20—Thursday, to Mar. 24, Monday, inclusive, Easter holidays.
Apr. 1—Tuesday, Last day for filing applications for examinations for the degree of Doctor of Philosophy, if the degree is to be conferred in June. Last day for filing applications for University Scholarships.
Apr. 15—Tuesday, Last day for filing applications for examination and presenting essay for the degree of Master of Arts, if the degree is to be conferred in June.
Apr. 15—Tuesday, Stated meeting of University Council.
May 19—Monday, Final examinations begin.
May 30—Friday, Memorial Day, holiday.
June 1—Sunday, Baccalaureate service.
June 2—Monday, Class Day.
June 4—Wednesday, Commencement Day.
June 11—Wednesday, Second half-year ends.
June 16—Monday, Entrance examinations begin.
July 7—Monday, Fourteenth Summer Session opens.
July 15—Tuesday, Last day for filing applications and presenting essay for the degree of Master of Arts, if the degree is to be conferred in October.
Aug. 15—Friday, Fourteenth Summer Session closes.

Sept. 15—Monday, Entrance examinations and examinations for deficient and debarred students begin.

Sept. 17—Wednesday, Registration begins.

Sept. 23—Tuesday, Registration ceases for students previously matriculated, except in the graduate schools. Later applications received only on payment of an additional fee of $5.

Sept. 24—Wednesday, First half-year, 160th year, begins. Registration ceases for students not previously matriculated except in the graduate schools. Later applications received only on payment of an additional fee of $5. Fellows and Scholars to report to the Registrar.

SUMMARY

OFFICERS

Professors (not including 4 administrative officers of professorial rank)	177		
Associate Professors	24		
Assistant Professors	83		
Clinical Professors	16		
Associates	48		
Instructors	143		
Demonstrators	3		
Curator	1		
Lecturers and other Special Officers of Instruction	22		
Assistants	71		
Clinical Assistants	84		
University Officers of Instruction		672	
Other Instructors in Teachers College		75	
Other Instructors in College of Pharmacy		5	
			752
University Officers of Administration		35	
Other Officers of Administration, Teachers College and College of Pharmacy		12	
			47
Emeritus Officers			15
Total			814
Horace Mann School and Speyer School (*not included above*)			79

STUDENTS

Columbia College:			
Fourth-year class	132		
Third-year "	122		
Second-year "	204		
First-year "	276		
Non-matriculated	23		
		757	
Carried forward		757	

Brought forward		757
The School of LAW:		
Third-year class	109	
Second-year "	146	
First-year "	126	
Non-matriculated	30	
		411
The School of MEDICINE:		
Fourth-year class	91	
Third-year "	106	
Second-year "	62	
First-year "	66	
Non-matriculated	21	
		346
The Schools of MINES, ENGINEERING, AND CHEMISTRY:		
Fourth-year class	133	
Third-year "	183	
Second-year "	145	
First-year "	181	
Non-matriculated	10	
		652
FINE ARTS:		
Architecture	131	
Music	20	
		151
The Graduate Faculties of POLITICAL SCIENCE, PHILOSOPHY, and PURE SCIENCE		1279
TOTAL		3596
BARNARD COLLEGE		611
TEACHERS COLLEGE		1476
COLLEGE OF PHARMACY		288
TOTAL		5971
Deduct Double Registration		*280*
NET TOTAL OF RESIDENT STUDENTS		5691
Summer Session Students, 1911	2973	
Deduct Double Registration	*683*	
		2290
GRAND TOTAL OF RESIDENT STUDENTS		7981
Students in Extension Courses		1196
Students in Special Classes at Teachers College		1459

DIRECTORY OF OFFICERS

B. =Barnard College.
East. =East Hall.
E. H. =Earl Hall.
E. =Engineering.
F. =Fayerweather.
Gym. =Gymnasium.
Hm. =Hamilton.
H. M. S. =Horace Mann School.
Hv. =Havemeyer.
K. =Kent.
L. =Library.
M. =School of Mines.
P. & S. =College of Physicians and Surgeons.
P. =Philosophy.
Phar. =College of Pharmacy.
S. =Schermerhorn.
S. H. =Sloane Hospital.
Sp. S. =Speyer School.
T. =Teachers College.
U. =University.
V. C. =Vanderbilt Clinic.
W. =West.
Hartley, Livingston, Whittier, Brooks =Residence Halls.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Abbe, R. Assoc. (25)		P. & S.	13 W. 50
Abbott, A. Tr.		H. M. S.	537 W. 121
Abbott, Julia W. Instr.		T.	
Abbott, N. Prof. (18)	M. W. F. 9–10	K.	515 W. 124
Abbott, T. J. Clin. Asst. (34)		V. C.	113 E. 78
Adler, F. Prof. (14)			
Agger, E. E. Asst. Prof. (23)	M. W. 10–11	708 Hm.	248 E. 105
Alberti, Mme. E. Asst.		T.	Carnegie Hall
Aldrich, J. Clin. Asst. (34)		V. C.	164 W. 81
Alexander, J. W. Pres. Nat'l Acad. of Design (20)			116 E. 65
Allen, H. B. Asst.			
Altenburg, E. Asst. (32)	W. F. 11–12	503 S.	2803 Third ave.
Anderson, B. M., Jr. Instr. (30)	M. W. 10–11	706 Hm.	503 W. 124
Anderson, Mary P. Tr.		H. M. S.	2776 Decatur ave.
Andrews, B. R. Secy. Schools of Industrial and Household Arts	M.–S. 10–12	T.	421 W. 121
Andrix, Iza E. Tr.		Sp. S.	94 Lawrence
Anthony, Kate S. Tr.		H. M. S.	202 W. 78
Arendt, M. Asst. Prof. (20)	M. Tu. F. 9–10; 1–2	503 E.	The Ansonia, B'way & 73
Arney, H. V. Prof. (23)		Phar.	115 W. 68
Arnold, W. W. Tr.		H. M. S.	500 W. 121
Atwood, C. E. Clin. Asst. (34)		V. C.	14 E. 60
Auchincloss, H. Instr. (28)		P. & S.	981 Madison ave.
Ayer, T. P. Lib. Asst.		L.	627 W. 113
Ayres, D. R. Instr. (30)		P. &. S.	447 W. 59
Ayres, H. M. Asst. Prof. (20)	M. W. 3–4	606 P.	514 W. 122
Bach, H. M. Asst. (32)	M.–F. 2:30–5:30	505 Hv.	2880 Broadway
Bach, M. G. Asst.		T.	974 St. Nicholas ave.
Bach, R. F. Lect. (31)	M. 3–4; S. 9–12	610 Hv.	430 W. 118
Bacon, G. Prof. (15)		P. & S.	47 W. 54
Bacon, Georgia F. Tr.		H. M. S.	70 Irving Pl.
Bagster-Collins, E. W. Assoc. Prof. (15)	M. 4–4:30; Th. 11–11:30	231 T.	Montrose, N. Y.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Bailey, O. A. Tr.		H. M. S.	520 W. 122
Baker, C. M. Tr.		H. M. S.	501 W. 120
Baker, F. T. Prof. (12)	M. W. 9:30–10	323 T.	Park Hill, Yonkers
Baker, Helen B. Tr.		H. M. S.	140 W. 87
Baker, S. Josephine, Lect.		T.	33 W. 96
Balderston, Lydia R. Instr.		T.	509 W. 121
Baldt, Laura I. Asst.		T.	501 W. 123
Baldwin, C. S. Prof. (23)	M. Tu. Th. F. 9–10 M. Tu. Th. F. 2:10–3	138 B. 609 P.	448 Riverside Dr.
Baldwin, Elizabeth G. Lib. Teachers College	M.–S. 11–12	313 T.	32 So. Parkway, E. Orange, N. J.
Ballard, Anna W. Instr.		T.	120 W. 103
Ballard, C. W. Instr.		Phar.	43 Morningside ave. E.
Barrett, F. J. Asst. (32)		P. & S.	119 W. 80
Barrett, G. H. Chief Clerk		213 L.	257 W. 86
Barrows, Anna, Instr.		T.	421 W. 121
Batchelder, Evelyn, Tr.		H. M. S.	
Batchelder, Mildred I. Tr.		H. M. S.	
Bartholow, P. Clin. Asst. (35)		V. C.	59 W. 45
Bartlett, F. H. Instr. (28)		P. & S.	44 E. 63
Baruch, S. Prof. (18)		P. & S.	135 W. 73
Bastedo, W. A. Assoc. (25)		P. & S.	57 W. 58
Bates, J. S. Lab. Asst. (32)		Hv.	Livingston
Bayles, G. J. Assoc. (25)	Tu. Th. 4	K.	Orange, N. J.
Beans, H. T. Asst. Prof. (22)	M.–F. 10–12	513 Hv.	601 W. 168
Beans, J. E. Instr. (30)	M.–F. 1–4	601 E.	393 Wadsworth ave.
Beard, C. A. Assoc. Prof. (18)	M. 3–4; Tu. 11–12; 3–4	715 Hm.	501 W. 121
Bechert, A. O. Instr. (28)	W. F. 10	114 B.	600 Decatur, Bklyn.
Beck, B. J. Clin. Asst. (35)		V. C.	548 W. 124
Beck, S. Clin. Asst. (35)		V. C.	500 W. 122
Beegle, Mary P. Instr.		T.	
Beling, C. C. Clin. Asst. (34)		V. C.	1098 Broad, Newark
Bement, A. Asst. Prof. (23)	M. W. F. S. 9–12	T.	Van Wyck Studios
Bennett, Ida M. Tr.		Sp. S.	94 Lawrence
Benns, C. P. Supt. of B. & G. Teachers College (6)	M.–F. 9–5	100T.	195 Claremont ave.
Bensel, W. Assoc. (26)		P. & S.	355 W. 84
Bentley, Bertha M. Tr.		Sp. S.	94 Lawrence
Berg, A. A. Assoc. (26)		P. &. S	923 Madison ave.
Berg, H. W. Assoc. (26)		P. &. S.	923 Madison ave.
Berger, Jane, Asst. Sec'y, Teachers College. (6)		T.	
Berkey, C. P. Asst. Prof. (20)	Tu. Th. 9	303 S.	Palisade, N. J.
Bigelow, C. O. Treas. Coll. of Phar.			106 Sixth ave.
Bigelow, M. A. Prof. (15)	M. W. 10	420 T.	Crugers-on-Hudson, N. Y.
Bigongiari, D. Instr. (29)			
Bingham, A. W. Instr. (30)		P. & S.	511 West End ave.
Black, A. Asst. Prof. (17)	M. W. 10–11; Tu. Th. 11–12	408 E.	519 Manhattan ave.
Blackwell, H. B. Instr. (28)		P. & S.	148 W. 58
Blake, J. A. Prof. (15)		P. & S.	603 Madison ave.
Blanchard, A. H. Prof. (23)			
Bliss, Grace V. Sec. of Dept. Fine Arts, T. C.		T.	404 W. 115

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Bloom, I. I. Gym. Asst.		Gym.	119 W. 116
Boas, F. Prof. (12)	Absent on leave 1911–12		Grantwood, N. J.
Boas, Helene M. Asst. (32)		312 B.	Grantwood, N. J.
Bogert, M. T. Prof. (13)	M. Tu. W. F. 2–4	408 Hv.	422 W. 154
Bonser, F. G. Asst. Prof. (21)	M. W. 11–12; Tu. Th. 2–3	235 T.	634 W. 135
Botsford, G. W. Prof. (16)	F. 2–3	603 K.	28 Urban, Mt. Vernon
Bovaird, D., Jr. Asst. Prof. (20)		P. & S.	137 E. 60
Boyd, W. B. Asst. (32)		P. & S.	25 Claremont ave.
Boyd, Virginia T. Clerk Barnard College		B.	527 W. 124
Bradish, Ethelwyn C. Instr.		T.	500 W. 121
Bradley, W. L. Clin. Asst. (34)		V. C.	55 W. 75
Brainin, C. S. Asst. (32)	F. 1–4; S. 9–12	201 F.	790 Riverside Dr.
Brandt, Lilian, Asst. (32)	Tu. Th. 5:10	607 K.	91 Columbia Heights, Bklyn.
Braun, W. A. Assoc. Prof. (20)	Tu. 3; F. 10	113 B.	99 Claremont ave.
Breckenridge, W. E. Instr.		T.	345 E. 15
Brenner, E. C. Asst. (32)		P. & S.	840 West End ave.
Brewer, G. E. Prof. (15)		P. & S.	61 W. 48
Brewster, W. T. Prof. and Provost of B. C. (14)	Absent on leave 1911–12		Scarsdale, N. Y. (Hartsdale P. O.)
Briggs, Elizabeth, Tr.		H. M. S.	11½ W. 84
Briggs, R. W. Asst. (33)			
Brill, A. A. Clin. Asst. (34)		V. C.	97 Central Pk., W.
Brill, N. E. Prof. (24)		P. & S.	48 W. 76
Britton, N. L. Dir. N. Y. Bot. Garden (17)			Bronx Park
Broadhurst, Jean, Instr.		T.	Whittier
Bronner, Augusta, Asst.		T.	
Brooks, F. E. Tr.		H. M. S.	600 W. 114
Brooks, Marie K. Tr.		H. M. S.	600 W. 114
Brouner, W. B. Clin. Asst. (35)		V. C.	27 W. 9
Brown, A. J. Dem. (31)		P. & S.	550 Park ave.
Brown, Rev. F. Pres. Union Theol. Sem. (19)		U. T. S.	80 Claremont ave.
Brown, G. V. Tr.		H. M. S.	561 W. 186
Brown, Grace L. Tr.		H. M. S.	422 W. 119
Brown, H. C. Instr. (28)	W. 3–4	705 P.	455 Ft. Washington ave.
Brown, J. C. Tr.		H. M. S.	527 W. 124
Brownell, E. G. Clin. Asst. (33)		V. C.	139 W. 69
Bruce, E. L. Asst. (33)		306 S.	520 W. 122
Budington, Ethel H. Sup. Lib.		L.	457 W. 123
Burdick, F. M. Prof. (11)	Tu. Th. F. 10–11	406 K.	2880 Broadway
Burgess, J. W. Prof. and Dean of Grad. Fac. and Fac. Fine Arts (10)			323 W. 57
Burnham, A. C. Clin. Asst. (35)		V. C.	157 W. 79
Burnside, C. H. Asst. Prof. (20)	M. Tu. Th. F. 10–10:30	603 F.	3875 Broadway
Burr, W. H. Prof. (11)		401 E.	New Canaan, Ct.
Burton-Opitz, R. Assoc. Prof. (16)		P. & S.	Palisade, N. J.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Bush, W. T. Assoc. (25)			
Butler, N. M. Pres. (10)	M. Tu. Th. F. 10:30–12	213 L.	119 E. 30
Cady, C. B. Lect.		T.	15 Claremont ave.
Caldwell, H. H. Tr.		H. M. S.	Livingston
Calhoun, Mary E. Tr.		H. M. S.	420 W. 119
Calkins, G. N. Prof. (14)	M.–S. 10–12	604 S.	411 W. 114
Camac, C. N. B. Asst. Prof. (22)		P. & S.	108 E. 65
Campbell, Blanche E. Tr.		Sp.S.	604 W. 125
Campbell, W. Assoc. Prof. (18)	Tu. 11–12; F. 10–11	502 M.	Livingston
Canfield, G. F. Prof. (12)	Tu. Th. 11–12	406 K.	344 W. 72
Caparn, H. A. Lect. (31)		156–5th ave.	
Carpenter, W. H. Prof. and Assoc. Dean Grad. Fac. and Fac. Fine Arts (10)	M.–F. 10–12; 2–4	305 East	417 W. 117
Carr, M. L. Instr. (30)		P. & S.	353 W. 57
Carter, H. S. Assoc. (26)		P. & S.	66 W. 55
Cattell, J. McK. Prof. (10)	Tu. Th. 2	412 S.	Garrison-on-Hudson, N. Y.
Cecil, R. L. Instr. (30)		P. & S.	137 E. 60
Chaddock, R. E. Asst. Prof. (23)	M. W. 11	501 K.	403 W. 115
Chambers, P. F. Prof. (24)		P. & S.	49 W. 57
Chandler, C. F. Emer. Prof. (8)			51 E. 54
Chappell, W. F. Prof. (24)		P. & S.	7 E. 55
Clark, E. D. Instr. (30)		P. & S.	322 E. 201
Clark, J. B. Prof. (12)	Absent on leave 1911–12		
Clark, J. E. Clin. Asst. (34)		V. C.	24 W. 45
Clarke, W. C. Assoc. (25)		P. & S.	200 W. 56
Class, F. M. Instr. (29)		P. & S.	24 W. 45
Cleasby, Elizabeth M. Tr.		H. M. S.	405 W. 118
Cocks, G. H. Instr. (30)		P. & S.	137 E. 54
Coe, Rev. G. A. Prof.		U. T. S.	606 W. 122
Coffey, Lois, Instr.		T.	Whittier
Cohn, A. Prof. (11)			
Cole, F. N. Prof. (12)	M. 2–3	406 East	
Coll, A. P. Clin. Asst. (34)		V. C.	153 Lexington ave.
Collins, H. D. Instr. (27)		P. & S.	50 W. 55
Colsey, L. C. Clerk in Gym.		Gym.	Nyack, N. Y.
Compton, G. B. Alumni Sec.		East	
Condry, Margaret G. Tr.		H. M. S.	501 W. 120
Conley, D. S. Instr. (30)		P. & S.	342 W. 56
Connell, K. A. Instr. (28)		P. & S.	63 W. 49
Cook, Elizabeth C. Asst. (32)	Tu. Th. 9–10	136 B.	Whittier
Cooley, Anna M. Asst. Prof. (21)	Tu. 2–3; Th. 3–3:30	T.	202 W. 79
Cooley, W. F. Instr. (29)	M. W. 11–12	614 Hm.	192 Claremont ave.
Corbett, Florence R. Instr.		T.	Whittier
Cornell, Grace A. Asst. Prof. (23)	M. Tu. 4–5	431 T.	33 Alsop, Jamaica, N. Y.
Coss, J. J. Asst. (33)	F. 2–4	605 Hm.	Hartley
Cossitt, H. A. Clin. Asst. (33)		V. C.	146 W. 70
Cowan, J. A. Clin. Asst. (35)		V. C.	438 W. 44
Cox, K. Prof. (19)			134 E. 67
Cox, R. Instr. (27)		P. & S.	47 W. 44

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Cragin, E. B. Prof. (12)		P. & S.	10 W. 50
Crampton, H. E. Prof. (13)	Tu. Th. 2–3	415 B.	2880 Broadway
Crandall, Ella P. Instr.		T.	370 Wadsworth ave.
Crandon, Laura B. Tr.		H. M. S.	Whittier
Crocker, F. B. Prof. (11)	Absent on leave 1911–12		
Curtis, C. C. Assoc. Prof. (19)	Tu. Th. 2–4	506 S.	
Curtis, E. Emer. Prof. (8)			33 W. 69
Curtis, H. B. Instr. (29)	M. W. F. 11; Tu. Th. 10	140 B.	520 W. 123
Curtis, J. G. Emer. Prof. (9)			401 W. 118
Curtis, Mary W. Asst.		T.	457 W. 123
Cussler, E. Asst. (31)		P. & S.	76 E. 55
Dade, C. T. Clin. Asst. (34)		V. C.	25 W. 50
Daniell, Lucetta, Soc. Dir. Teachers College (6)	M. Tu. W. 2–4; Th. F. 10–12	108 T.	Whittier
Danielson, C. S. Bursar (5)	M.–F. 9:30–3:30; S. 9:30–12	East	2135 Seventh ave.
Darling, C. A. Instr. (29)	Tu. Th. S. 1–2	503 S.	421 W. 121
Darrach, W. Instr. (28)		P. & S.	47 W. 50
Daschbach, Grace M. Lect.		T.	Carnegie Hall
Dashiell, J. F. Asst. (32)	Th. 11–12; F. 10–12	701 P.	507 W. 124
Davis, B. Asst. Prof. (19)	Th. 10–12	408 F.	509 W. 124
Davis (Mrs.), Estelle H. Lect.	(31)	B.	192 Claremont ave.
Davis, F., Jr. Assoc. (25)		P. & S.	17 W. 47
Davis, J. A. Tr.		H. M. S.	420 W. 121
Day, W. S. Lect. (31)		407 F.	220 Hobart ave., Summit, N. J.
Dean, B. Prof. (12)	W. 11	605 S.	Riverdale-on-Hudson, N. Y.
Dean, R. C. Asst. (32)	M. W. F. 9–10	602 S.	430 W. 118
Dederer, Pauline H. Instr. (28)	M. 2–3	413 B.	549 W. 113
Delafield, F. Emer. Prof. (8)			5 W. 50
Demarest, I. C. Instr. (30)	M. 1–2	510 Hm.	54 Essex, Hackensack, N. J.
Dement, Lucia W. Tr.		H. M. S.	
Denig, R. C. Prof. (24)		P. & S.	56 E. 58
Derby, R. Dem. (31)		P. & S.	131 E. 57
Detwiller, A. K. Clin. Asst. (33)		V. C.	
Devine, E. T. Prof. (17)			
Devol, E. M. Clin. Asst. (35)		V. C.	11 E. 48
Dewey, J. Prof. (16)	Tu. 11–12; W. 2–3 Absent on leave second half-year	702 P.	The Ostend, 112 & Broadway
Dickey, F. A. Asst. Registrar (5)	M.–F. 9–1; 2–5; S. 9–12	201 East	503 W. 124
Diekman, G. C. Prof. (16)		Phar.	553 E. 23, Bklyn.
Dines, L. L. Instr. (30)	M. W. F. 9:45; Tu. Th. 10	309 B.	530 W. 123
Dingwall, Edna, Sec. to Dir. of Tech. Educ. T. C.		T.	417 W. 121
Dodge, B. O. Research Asst. (32)	Tu. Th. 3–4	501 S.	
Dodge, R. E. Prof. (12)	Tu. Th. 3–4; W. F. 2–3	416 T.	Washington, Ct.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Donovan, Helen, Instr.		T.	622 W. 113
Dorr, G. H. Assoc. (26)			
Doty, Katharine S. Sec. Barnard Coll. (6)	M.–F. 10–12; 2–4; S. 10–12	B.	553 W. 141
Dounce, J. W. Clin. Asst. (33)		V. C.	320 Central Pk., W.
Dow, A. W. Prof. (16)	Absent on leave first half-year		501 W. 120
Dowd, C. N. Prof. (19)		P. & S.	127 W. 72
Dowd, Maria L. Tr.		H. M. S.	
Draper, W. K. Prof. (18)		P. & S.	121 E. 36
Drew, Lillian, Instr.		T.	Whittier
Drowne, H. B. Instr. (30)			
Duff, J. Lect.		Phar.	100 Hudson
Dunning, W. A. Prof. (11)	W. F. 12	610 K.	Hotel Marie Antoinette
Dutton, S. T. Prof. (13)	M. Tu. Th. F. 11–12	H. M. S.	411 W. 114
Dwight, K. Asst. (32)		P. & S.	1045 Madison ave.
Dwyer, J. G. Instr. (30)		P. & S.	40 E. 41
Earl, Anita M. Asst.		T.	420 W. 119
Eddy, W. H. Assoc. (26)		P. & S.	387 Lafayette ave., Bklyn.
Egbert, J. C. Prof. and Dir. Summer Session and Ext. Teaching (12)	M. W. F. 11–1	306 P.	425 W. 146
Elder, F. R. Asst. (33)	M. W. F. 9–10	405 Hv.	Livingston
Elliott, A. H. Emer. Prof. (8)			Carlstadt, N. J.
Emerson, H. Assoc. (26)		P. & S.	120 E. 62
Englert, A. W. Asst.		T.	
Epstein, S. Clin. Asst. (34)		V. C.	591 Lexington ave.
Erb, F. C. Sup. Lib.		L.	520 W. 123
Erb, F. W. Sup. Lib.		L.	520 W. 123
Erdwurm, F. Asst. (32)		P. & S.	128 E. 34
Erskine, J. Assoc. Prof. (19)	M. W. 11	612 Hm.	517 W. 113
Evans, E. M. Prof. (19)		P. & S.	56 E. 55
Evans, G. S. Custodian Medical Library		P. & S.	112 W. 109
Eyster, J. B. Tr.		H. M. S.	417 W. 121
Fackenthal, F. D. Sec. of the University (5)	M.–F. 9–5; S. 9–12	213 L.	930 St. Mark's ave., Bklyn.
Fales, Jane T. Asst. Prof. (21)	Tu. Th. 10–12	308 T.	622 W. 113
Farnsworth, C.H. Assoc. Prof. (13)	M. 9–10; F. 10–11	118 T.	70 Morningside ave. W.
Farnsworth (Mrs.), C. H. Tr.		H. M. S.	70 Morningside ave. W.
Farrand, L. Prof. (13)	M. W. 4	302 W.	Boonton, N. J.
Farrington, Kathryn, Sec. Pub. Bur. T. C.		T.	
Farrington, F.E. Assoc. Prof. (21)	M. W. F. 10–11	218 T.	Park Hill, Yonkers
Farwell, H. W. Instr. (29)	W. F. 4:30–5	401 F.	503 W. 122
Feldstein, G. M. Clin. Asst. (35)		V. C.	723 E. 175
Fette, F. C. Instr. (29)	M. W. 9–11; F. 9–12; 1:30–4	Gym.	Livingston
Fettke, C. R. Asst. (33)	Tu. Th. 11–12	301 S.	Livingston
Finch, J. K. Instr. (29)	Tu.–F. 9–12	407 E.	130 Claremont ave.
Fink, M. Clin. Asst. (35)		V. C.	274 W. 140
Fischer, H. Instr. (28)		P. & S.	1016 Lexington ave.
Fisk, J. C. Clin. Asst. (34)		V. C.	2030 Broadway
Fiske, T. S. Prof. (12)	M.–Th. 3:30	508 F.	Livingston

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Fitch, Lura P. Tr.		H. M. S.	Whittier
Fite, W. B. Prof. (21)	M. W. F. 9:30	209 Hm.	3681 Broadway
Flanagan, A. E. Lect. (31)		605 Hv.	511 W. 139
Fleming, H. C. Clin. Asst. (33)		V. C.	2030 Broadway
Fletcher, J. B. Prof. (16)	M. W. F. 2–3	612 P.	112 E. 22
Fontaine, C. Asst. Prof. (20)	M. W. 3–4	308 Hm.	541 W. 124
Fortier, E. J. Instr. (30)	M. W. 3–3:30	305 Hm.	510 W. 124
Fossler, Anna K. Sup. Lib.		L.	540 W. 122
Foster, B. B. Asst. Instr.		Gym.	419 W. 115
Foster, N. B. Assoc. (25)		P. & S.	69 E. 54
Fox, G. H. Clin. Asst. (34)		V. C.	616 Madison ave.
Fox, Harriet R. Asst. (32)	Tu. 10; W. 11	137 B.	2567 Sedgwick ave.
Frachtenberg, L. J. Lect. (31)	Tu. Th.	306 W.	Livingston
Francis, Charlotte A. Instr.		T.	Whittier
Franke, W. Prussian Exchange Tr.		H. M. S.	416 W. 118
Frankel, B. Clin. Asst. (33)		V. C.	1234 Madison ave.
Frazee, J. C. Asst. (33)	M.–S. 8:50–9; 9:50–10	303 F.	541 W. 124
Freas, T. B. Asst. Prof. and Curator (23)	M.–F. 9–12; 1–4; S. 9–12	313 Hv.	61 William, E. Orange
French, A. T. Tr.		H. M. S.	527 W. 124
French, D. C. Prof. (19)			125 W. 11
French, Lucile G. Instr.		T.	405 W. 118
Fried, H. Clin. Asst. (33)		V. C	20 E. 113
Frieder, W. Clin. Asst. (34)		V. C.	80 St. Nicholas ave.
Friedman, G. A. Clin. Asst. (33)		V. C.	123 E. 95
Frissell, L. F. Assoc. (25)		P. & S.	113 E. 56
Fromme, F. D. Asst. (33)		512 S.	523 W. 123
Frothingham, R. Instr. (27)		P. & S.	616 Madison ave.
Fullerton, G. S. Prof. (16)	Absent on leave		
Fulmer, Grace, Asst. Prof. (21)	M. W. 10–11; Tu. Th. 3–3:30	115 T.	420 W. 119
Furst (Mrs.), Mary L. Lect.		T.	501 W. 120
Gallaudet, B. B. Asst. Prof. (17)		P. & S.	110 E. 16
Garretson, W. V. P. Clin. Asst. (34)		V. C.	112 W. 85
Garrison, Charlotte G. Tr.		H. M. S.	521 W. 134
Gates, W. J. Sec. Gym.		Gym.	361 W. 123
Gath, Bertha M. Tr.		Sp. S.	Whittier
George, Theodora, Registrar of T. C. (6)	M.–F. 9–4; S. 9–12	104 T.	523 W. 123
Gerig, J. L. Asst. Prof. (20)			
Gerster, A. G. Prof. (24)		P. & S.	34 E. 75
Gibney, V. P. Prof. (15)		P. & S.	16 Park ave.
Giddings, F. H. Prof. (12)	W. 2:30; F. 1:30	504 K.	814 West End ave.
Gies, W. J. Prof. (14)		P. & S.	437 W. 59
Gildersleeve, Virginia C. Dean of B. C. and Adviser of Women Graduate Students (21)	M. W. F. 11–12; M. Th. 2:30–3:30	B.	28 W. 48
Gillette, C. Asst. (31)		P. & S.	53 W. 52
Gillmore, Mary B. Tr.		H. M. S.	415 W. 118
Goetze, F. A. Dean Fac. App. Sci. and Cons. Engineer (17)	M. 4–5; W. F. 1–2	405 E.	411 W. 117
Gohdes, W. H. Tr.		H. M. S.	Livingston

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Gold, J. D. Clin. Asst. (34)		V. C.	839 Myrtle Ave., Bridgeport, Ct.
Goldenweiser, A. Lect. (31)	M.–F. 10–12	305 W.	1117 Westchester ave.
Goodale, Grace H. Asst. (32)		331 B.	Whittier
Goodfriend, N. Clin. Asst. (34)		V. C.	243 E. 72
Goodnow, F. J. Prof. (10)	Absent on leave 1911–12		46 Riverside Dr.
Goodsell, Willystine, Asst. Prof. (23)	W. F. 10	321 T.	417 W. 120
Gordon, D. Instr. (30)		P. & S.	128 W. 59
Gottheil, R. J. H. Prof. (10)	Tu. Th. 10	405 P.	417 Riverside Dr.
Gover, Helen B. Tr.		Sp. S.	94 Lawrence
Grabau, A. W. Prof. (14)	M. W. 11:30–12	101 S.	Scarsdale, N. Y.
Graves, G. H. Instr. (30)	Th. 11–12	212 Hm.	Livingston
Gray, R. P. Asst.		T.	23 W. 24
Green, J. C. Instr. (30)	M. 3–5	704 Hm.	Livingston
Greenough, Flora M. Tr.		H. M. S.	Whittier
Greenwood, D. Grace, Asst. Soc. Dir. Whittier Hall			Whittier
Gregory, Louise H. Instr. (29)	W. 4	403 B.	401 W. 118
Gregory, M. S. Instr. (30)		P. & S.	Bellevue Hosp'l
Gregory, W. K. Lect. (31)	Tu. F. 2–5	Am. Mus. Nat. Hist.	160 W. 78
Groeschel, L. B. Clin. Asst. (34)		V. C.	540 W. 160
Gross, A. Asst. (32)		508 Hv.	Livingston
Grout, G. H. Clin. Asst. (34)		V. C.	The Wellsmore, B'way & 77
Grove, C. C. Asst. Prof. (20)	Tu. Th. 11–12	204 Hm.	3129 Broadway
Guernsey, R. Instr. (28)	Tu. 3–4	515 Hm.	501 W. 124
Gunn (Mrs.), Lillian M. B. Asst.		T.	76 W. 94
Gunn, T. M. Instr. (28)	M. Tu. Th. F. 4–5	509 E.	65 Northern ave.
Guthrie, W. D. Prof. (19)		406 K.	28 Park ave.
Haas, S. V. Asst. (32)		P. & S.	666 West End ave.
Haberman, J. V. Instr. (28)		P. & S.	60 W. 85
Haeseler, P. C. Lab. Asst. (33)		Hv.	1295 Fulton ave
Hahn, F. F. Curator (31)		104 S.	Livingston
Hale, H. E., Jr. Instr. (29)		P. & S.	770 West End ave.
Hall, E. J. Asst. Prof. (22)	M.–S. 11–12	M.	71 Van Houten ave., Passaic
Hall, W. H. Cond. of Univ. Chorus (31)			49 Claremont ave.
Haller, W. Instr. (30)	M. 9–12	137 B.	502 W. 134
Hallock, W. Prof. (11)	M. W. F. 4	406 F.	3609 Broadway
Halsey, F. A. Assoc. (26)			
Hamilton, B. W. Clin. Asst. (34)		V. C.	125 W. 76
Hamlin, A. D. F. Prof. (10)	Tu. Th. 11–12	607 Hv.	105 Morningside ave. E.
Hanckel, Mary B. Instr.		T.	
Hanes, F. M. Assoc. (26)		P. & S.	Livingston
Harper, R. A. Prof. (23)	Tu. Th.	513 S.	2936 Bainbridge ave.
Harriman, C. A. Asst. Prof. (22)		605 Hv.	417 W. 114
Harrington, T. H. Instr. (28)	Tu. Th. 10–11	604 E.	Scarsdale, N. Y.
Harris, Blanche, Asst.		T.	311 W. 103
Hart, T. S. Assoc. (25)		P. & S.	130 W. 59
Hartley, F. Prof. (24)		P. & S.	61 W. 49
Hartmann, H. G. Lect. (31)			4057 Broadway, Woodhaven, L. I.
Haskell, Mrs. Juliana S. Instr. (29)	M. 3–4	113 B.	624 W. 139

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Hastings, T. Dir. of Atelier (17)			225–5th ave.
Haviland, C. F. Clin. Asst. (35)		V. C.	State Hosp'l, Kings Park, L. I.
Hawkes, H. E. Prof. (21)	M. 4–5; Tu. Th. 10–11	201 Hm.	549 Riverside Dr.
Hawley, Harriet, Sec. to Dean of T. C. (6)		105 T.	Whittier
Hayden, J. R. Prof. (15)		P. & S.	121 W. 55
Hayes, C. H. Asst. Prof. (21)	Tu. 2–3; W. 3–5	710 Hm.	633 W. 115
Haynes, R. S. Instr. (30)		P. & S.	267 W. 79
Hayt, E. K. Asst. Registrar and Asst. Bursar (5)	M.–F. 10–5; S. 10–1	P. & S.	104 W. 128
Hazen, T. E. Asst. Prof. (20)	Th. 1	320 B.	Livingston
Healy, Florence M. Tr.		H. M. S.	20 Hampton Pl., Bklyn.
Hehre, F. W. Instr. (29)	M.–F. 11–12	206 E.	373 W. 116
Hensel, O. Instr. (29)		P. & S.	106 E. 81
Herrick, A. L. Instr. (30)	M.–Th. 4–5	E.	530 W. 124
Herrick, W. W. Instr. (29)		P. & S.	50 E. 53
Herrman, C. Instr. (30)		P. & S.	250 W. 88
Hervey, W. A. Assoc. Prof. and Registrar (15)	M.–S. 11–12; M. W. 3–5 Absent on leave second half-year	201 East	607 W. 138
Heuser, F. W. J. Instr. (28)	Tu. 3–4; F. 10–11	404 Hm.	239 So. 5th ave., Mt. Vernon
Hicks, F. C. Asst. Lib'n (7)	M.–S. 10–12	202 L.	149 W. 74
Hill, Patty S. Asst. Prof. (22)	M. 3; W. 4; S. 11	112 T.	628 W. 114
Hillegas, M. B. Asst. Prof. (23)	M. W. 10:30; S. 11	203 T.	515 W. 124
Hines, J. C., Jr. Asst. (32)			
Hintze, F. F. Asst. (33)	M.–F. 9–5	104 S.	11 W. 126
Hirst, Gertrude M. Instr. (27)	M. 11	212 B.	Brooks
Hirth, F. Prof. (14)	M. 11		401 W. 118
Hiss, P. H., Jr. Prof. (14)		P. & S.	200 Columbia Heights, Bklyn.
Hitchings, Grace L. Instr.		T.	420 W. 119
Hoagland, Jane, Asst.		T.	206 Quincy, Bklyn.
Hodgson, J. H. P. Instr. (28)		P. & S.	29 Washington Sq.
Hohmann, G. Instr.		Phar.	751 Courtlandt ave.
Holden, W. A. Instr. (27)		P. & S.	8 E. 54
Hollingworth, H. L. Instr. (29)	M. F. 10–11; W. 2–4	420 B.	516 W. 136
Hollis, A. W. Assoc. (25)		P. & S.	40 W. 71
Holm, G. T. Instr.		T.	
Holt, L. E. Prof. (14)	Absent on leave second half-year	P. & S.	14 W. 55
Hooker, R. S. Asst. (32)		P. & S.	175 E. 71
Hopkins, J. G. Asst. (32)		P. & S.	350 Washington ave., Bklyn.
Hostmann, J. Asst.		Phar.	1122 Hudson, Hoboken
Hotchkiss, Caroline W. Tr.		H. M. S.	
Hotchkiss, L. W. Prof. (19)		P. & S.	59 W. 48
Howard, Clare M. Lect. (31)	Tu. 10–11	137 B.	549 Riverside Dr.
Howe, H. M. Prof. (12)			Bedford Station, N.Y.
Hubbard, Grace A. Assoc. Prof. (18)	Tu. 11–11:30	336 B.	618 W. 114
Hubbard, S. D. Clin. Asst. (34)		V. C.	143 W. 103

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Huber, F. Prof. (24)		P. & S.	209 E. 17
Humphrey, E. F. Instr. (30)	W. 11–12; 2–3	704 Hm.	Livingston
Humphreys, F. B. Instr. (29)		P. & S.	78 W. 85
Humphries, H. R. Clin. Asst. (34)		V. C.	40 E. 41
Hunt, E. L. Instr. (27)		P. & S.	54 W. 50
Hunt, J. R. Assoc. Prof. (22)		P. & S.	20 W. 50
Huntington, G. S. Prof. (10)	Absent on leave second half-year		Scarsdale, N. Y.
Hutchinson, Emilie J. Asst. (33)		B.	506 W. 122
Hutchinson, Mary E. Prin. Tr. Sch. Sloane Hosp.		S. H.	447 W. 59
Huttmann, Maude A. Instr. (29)	Tu. 2–3; W. 1:30–2; Th. 11–12	337 B.	131 E. 31
Hutton, A. L. Asst. (32)		P. & S.	257 W. 86
Hutton, F. R. Emer. Prof. (8)			257 W. 86
Imbert, L. Instr. (30)		B.	510 W. 124
Irving, P. Asst. (31)		P. & S.	200 W. 57
Jackson, A. V. W. Prof. (11)	M. 5	401 P.	668 Riverside Dr.
Jackson, F. W. Prof. (17)		P. & S.	555 Madison ave.
Jackson, G. T. Prof. (18)		P. & S.	11 E. 48
Jacobi, A. Emer. Prof. (8)			19 E. 47
Jacobus, A. M. Clin. Asst. (33)		V. C.	131 W. 70
Jacoby, H. Prof. (12)	Tu. Th. 9–10	610 F.	39 Claremont ave.
Jaeger, C. H. Instr. (27)		P. & S.	471 Park ave.
James, H. Asst. (32)		P. & S.	130 W. 57
James, W. B. Prof. (14)		P. & S.	17 W. 54
Janeway, H. H. Instr. (28)		P. & S.	130 W. 52
Janeway, T. C. Prof. (19)		P. & S.	131 E. 60
Jelliffe, S. E. Clin. Asst. (34)		V. C.	64 W. 56
Jessup, D.S.D. Instr. and Univ. Med. Visitor (28)	Daily 5–6; and by appointment		601 W. 113
Johnson, A. B. Prof. (24)		P. & S.	116 E. 57
Johnson, H. Prof. (17)	W. 10–12	320 T.	501 W. 120
Johnston, W. D. Librarian (19)	M. F. 9:30–12	201 L.	628 W. 114
Jones, A. L. Chmn. Com. on Undergrad. Admissions and Assoc. Prof. (20)	M. Tu. Th. F. S. 10–12; 2–4	310 East	438 W. 116
Jordan, D. Asst. Prof. (18)	M. W. 11	311 Hm.	419 W. 115
Joüet, C. H. Instr. (28)	M. 10–12; F. S. 10–11	505 Hv.	
Judd, E. K. Instr. (28)	Tu. W. Th. 9–12	408 M.	3920 Broadway
Kammerer, F. Prof. (24)		P. & S.	51 E. 66
Kasner, E. Prof. (17)	W. F. 11:50	309 B.	22 W. 119
Kaufmann, J. Prof. (24)		P. & S.	52 E. 58
Keator, H. M. Instr. (30)		P. & S.	107 E. 70
Keller, Eleanor, Instr. (28)		435 B.	417 W. 114
Keller, F. R. Asst. (33)		201 E.	Livingston
Keller, M. D. Clin. Asst. (33)		V. C.	65 E. 114
Kellogg, H. K. W. Clin. Asst. (34)		V. C.	10 E. 58
Kemp, J. F. Prof. (11)	W. F. 1:30–2:30	403 S.	211 W. 139
Kendall, B. W. Instr. (30)	W. 11–12; S. 10–11	305 F.	507 W. 124
Kenyon, J. H. Instr. (27)		P. & S.	37 W. 71

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Keppel, F. P. Dean of Columbia College (20)	Daily 10–12	208 Hm.	415 W. 117
Kern, E. F. Asst. Prof. (22)	M. W. F. 11–12; Tu. S. 10–12	404 M.	Livingston
Kersey, P. J. Tr.		H. M. S.	400 W. 118
Keyes, Maude V. Tr.		H. M. S.	400 W. 118
Keyser, C. J. Prof. (15)	M.–F. 11	206 Hm.	74 W. 103
Kiliani, O. G. T. Prof. (24)		P. & S.	44 W. 77
Kilpatrick, (Mrs.) Mary P. Asst. to Soc. Dir. T. C.		T.	420 W. 119
Kilpatrick, W. H. Asst. Prof. (23)	M. 2–3; S. 10–11	321 T.	420 W. 119
Kingsley, R. Clin. Asst. (34)		V. C.	114 E. 71
Kinne, Helen, Prof. (13)	Th. 2; W. 11	T.	503 W. 121
Kinnicutt, F. P. Prof. (24)		P. & S.	39 E. 35
Kiorboe, E. A. Tr.		H. M. S.	400 W. 118
Kirchwey, Clara B. Instr.		T.	404 W. 115
Kirchwey, G. W. Prof. (11)	M. Tu. W. 10–11; Th. F. 11–12	410 K.	80 Riverside Dr.
Kirchwey, Mary F. Tr.		H. M. S.	404 W. 115
Kleinberg, S. Clin. Asst. (34)		V. C.	547 W. 147
Knapp, A. H. Prof. (15)		P. & S.	10 E. 54
Knapp, C. Prof. (14)	Tu. 1–3; Th. 10–11; 1–2	331 B.	1737 Sedgwick ave.
Knapp, C. B. Clin. Asst. (34)		V. C.	60 W. 76
Knox, Rev. R. C. Chaplain (7)	M. W. F. 2–4; Tu. Th. 3–4	E. H.	413 W. 117
Kobler, E. W. Clin. Asst. (34)		V. C.	171 W. 81
Koenig, N. A. Lect. (31)	M. W. 2–3	404 P.	80 W. 12
Kohn, B. Clin. Asst. (35)		V. C.	31 W. 115
Krapp, G. P. Prof. (21)	M. W. 3–4; S. 9–10	611 P.	205 W. 107
Kress, O. Instr. (29)		416 Hv.	
Kurtz, E. L. Asst. Prof. (19)	M. W. F. 11–12	403 M.	Livingston
La Fetra, L. E. Assoc. (25)		P. & S.	113 E. 61
Lamb, A. R. Asst. (33)		P. & S.	146 E. 74
Lambert, A. V. S. Instr. (27)		P. & S.	168 E. 71
Lambert, R. A. Instr. (30)		P. & S.	Livingston
Lambert, S. W. Prof. and Dean of Medical School (15)		P. & S.	130 E. 35
Lamme, M. A. Instr. (28)	M. W. F. 1–2	106 S.	4260 Broadway
Langford, Grace, Instr. (29)		232 B.	70 Morningside ave. W.
Lanson, G. Prof. (23)			
Larkin, J. H. Asst. Prof. (17)		P. & S.	498 W. 130
Latham, Azubah J. Asst. Prof. (22)	M. W. 2.30–3.10	213 T.	620 W. 122
Latham, Helen, Instr.		T.	620 W. 122
Latham, Marion E. Instr. (29)	M. 11	313 B.	Brooks
Lavell, C. F. Lect.		T.	523 W. 122
Lawrence, W. W. Assoc. Prof. (18)	M. W. 11–12	605 P.	618 W. 114
Leavitt, C. W., Jr. Lect. (31)	M.–F. 9–5		220 Broadway
Leber, O. H. Clin. Asst. (22)		V. C.	
Lee, F. S. Prof. (12)		P. & S.	125 E. 65
Lefferts, G. M. Emer. Prof. (8)			212 Madison ave.
Leggett, N. B. Clin. Asst. (34)		V. C.	Saranac Lake, N. Y.
Lennes, N. J. Instr. (30)			

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Leonard, R. J. Tr.		H. M. S.	501 W. 124
Leshure, J. Clin. Asst. (34)		V. C.	423 Convent ave.
Leslie, F. A. Instr.		Phar.	115 W. 68
Levin, I. Assoc. (25)		P. & S.	129 W. 122
Lewis, Mary H. Tr.		H. M. S.	
Lewis, R., Jr. Prof. (24)		P. & S.	48 W. 40
Libman, E. Prof. (25)		P. & S.	180 E. 64
Lieb, C. C. Assoc. (26)		P. & S.	50 Central Park, W.
Liggett, (Mrs.) N. W. Bursar of B. C. (6)	M.–F. 10–12:30; 2–4 S. 10–12	B.	
Likely, D. S. Clin. Asst. (33)		V. C.	44 W. 96
Lindsay, S. M. Prof. (18)	Tu. Th. 3–5	611 K.	Englewood, N. J.
Livingston, A. A. Asst. Prof. (23)	Tu. Th. 3–4:30	505 P.	373 W. 116
Lobenstine, R. W. Instr. (28)		P. & S.	155 E. 70
Lockwood, D. P. Asst. Prof. (21)	Tu. 11–12	513 Hm.	419 W. 115
Lockwood, G. R. Prof. (18)		P. & S.	18 E. 52
Lodge, G. Prof. (13)	M. W. 3–4	228 T.	500 W. 121
Logan, Amy, Tr.		H. M. S.	422 W. 119
Loiseaux, L. A. Asst. Prof. (15)	Tu. Th. 3–4	310 Hm.	519 W. 121
Longacre, F. V. D. Assoc. (26)			11 Broadway
Longcope, W. T. Asst. Prof. (23)		P. & S.	680 Madison ave.
Lord, H. G. Prof. (13)	M.–F. 10–11	615 Hm.	623 W. 113
Lothrop, A. P. Instr. (28)		P. & S.	Hartley
Lovell, E. B. Prof. (12)		409 E.	67 Myrtle ave., Montclair, N. J.
Lucke, C. E. Prof. (17)			
Luquer, L. McI. Asst. Prof. (15)		306 S.	321 W. 80
Lyle, H. H. M. Instr. (30)		P. & S.	50 E. 53
Lyon, E. C., Jr. Instr. (30)		P. & S.	447 W. 59
McBurney, C. Emer. Prof. (8)			38 E. 31
McCabe, J. Clin. Asst. (33)		V. C.	348 Central Park, W.
McCastline, W. H. Asst. Prof. (22)	M. W. F. 2–4; Tu. Th. 3–4	T.	549 Riverside Dr.
McClane, Mary, Tr.		Sp. S.	
McCormick, Mary G. Instr.		T.	
McCrea, N. G. Prof. (13)	W. Th. 11–11:30; M. 3–4; Tu. 4–5	510 Hm. 709 P.	430 W. 119
McEntee, E. J. Clin. Asst. (34)		V. C.	196 Hancock, Bklyn.
McFarlane, C. T. Controller of T. C. (6)	M.–F. 10–12	105 T.	500 W. 121
McGowan, (Mrs.) Ellen B. Asst.		T.	281 Edgecombe ave.
McGregor, J. H. Asst. Prof. (18)			
McKeown, Matilda, Asst.		T.	549 Riverside Dr.
McKirahan, W. W. Lab. Asst. (33)	M.–F. 1–4	410 Hv.	416 W. 118
McLane, J. W. Emer. Prof. (7)			107 E. 38
McMurry, F. M. Prof. (13)	M. W. F. 9:30–10; S. 11–12 Absent on leave second half-year	202 T.	9 Hillside Dr., Yonkers
McMurtry, C. W. Instr. (30)		P. & S.	812 Fifth ave.
McVey, Florence M. Tr.		H. M. S.	
McWilliams, C. A. Instr. (27)		P. & S.	32 E. 53
MacAlarney, Emma L. Tr.		H. M. S.	500 W. 121

NAME	OFFICE HOURS	OFFICE	RESIDENCE
MacCallum, W. G. Prof. (20)		P. & S.	981 Madison ave.
Macgregor, J. S. Instr. (29)	M. F. 10–11	308 E.	3750 Broadway
Maclay, J. Prof. (13)	M. W. F. 1.30–2.30	506 Hm.	401 W. 118
Macrae, R. H. Clin. Asst. (34)		V. C.	64 Vanderbilt avenue, Clifton, S. I.
Macumber, J. L. Clin. Asst. (34)		V. C.	291 De Kalb ave., Bklyn.
MacVannel, J. A. Prof. (16)	M. 9–11; S. 9–10	220 T.	411 W. 115
Macy, Cornelia P. Recorder (6)		420 L.	
Main, T. F. Sec. Coll. of Phar.		Phar.	22 So. Willow, Montclair, N. J.
Maltby, Margaret E. Asst. Prof. (14)	M.–Th. 11–12	240 B.	400 W. 118
Manchester, Mrs. Melinda I. Instr.		T.	508 W. 122
Mansfield, W. Prof. (18)		Phar.	115 W. 68
March, Maud, Instr.		T.	81 Morningside ave., E.
Marquette, W. G. Assoc. Prof. (23)	S. 11–12	510 S.	108 W. 111
Marshall, Florence M. Tr.		H. M. S.	430 W. 118
Martin, C. J. Instr.		T.	353 W. 117
Martin, D. C. Clin. Asst. (33)		V. C.	449 Park ave.
Martin, H. W. Tr.		H. M. S.	520 W. 184
Martin, W. Assoc. (26)		P. & S.	25 W. 50
Mason, D. G. Asst. Prof. (20)	M. 4–4:30	606 M.	207 W. 55
Mason, F. L. Instr. (30)	Th. S. 11–12	501 E.	341 E. 152
Mason, H. H. Instr. (29)		P. & S.	114 W. 55
Matthews, B. Prof. (11)	Tu. Th. 4	604 Hm.	681 West End ave.
Maury, Carlotta J. Asst. (32)		214 B.	Hastings-on-Hudson, N. Y.
Mayer, R. E. Assoc. Prof. (14)	Tu. Th. 9–11	602 E.	151 Prospect ave., Mt. Vernon
Merriman, M. H. Clin. Asst. (33)		V. C.	42 W. 71
Messer, W. S. Instr. (31)	F. 11–12	510 Hm.	Livingston
Metzger, F. J. Asst. Prof. (22)	Tu. Th. F. 10–11	507 Hv.	90 Morningside ave. W.
Meyer, Anna E. H. Registrar of B. C. (6)	M.–S. 10–12; Tu. F. 2–4	110 B.	15 Cedar Pl., Yonkers
Meylan, G. L. Assoc. Prof. and Med. Dir. of Gym. (15)	M.–F. 2–5; S. 11–12; M. F. 10–11	Gym.	468 W. 141
Michaelis, A. Instr. (30)		P. & S.	15 W. 88
Miller, A. M. Instr. (27)		P. & S.	142 S. 10, Newark
Miller, D. S. Prof. (18)	Absent on leave 1911–12		4 Lorillard Hall, Chelsea Square
Miller, E. G. Asst.		T.	346 W. 57
Miller, J. A. Asst. Prof. (20)		P. & S.	18 W. 51
Miller, S. O. Asst. Prof. (22)	M.–F. 2–4	603 E.	West Nyack, N. Y.
Milliken, E. N. Asst. (32)	M. W. F. S. 11–12	103 Hv.	Livingston
Mitchell, H. B. Prof. (17)			
Mitchell, Julia P. Instr.		T.	
Mitchell, S. A. Asst. Prof. (19)	M. W. 11–12	602 F.	557 W. 124
Moak, H. Asst. (33)		P. & S.	360 Park Pl., Bklyn.
Modesitt, R. L. Tr.		H. M. S.	527 W. 124
Monroe, P. Prof. (13)	Tu. Th. 3–4	321 T.	44 Prospect Dr., Yonkers
Montague, W. P. Assoc. Prof. (18)	M. W. 10–11 M. 2–4	335 B. 707 P.	265 Henry

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Moore, Annie E. Instr.		T.	420 W. 119
Moore, F. G. Prof. (21)	M. W. F. 11–12; Tu. Th. S. 10–11	504 Hm.	15 Claremont ave.
Moore, H. L. Prof. (14)	S. 10	501 K.	Cornwall, N. Y.
Moore, J. B. Prof. (11)	M.–F. 10–4	513 K.	267 W. 73
Moore, W. C. Instr. (29)	M.–S. 11–12	512 Hv.	410 W. 115
Morecroft, J. H. Asst. Prof. (21)	M. 11–12	508 E.	Livingston
Morgan, J. L. R. Prof. (13)	M.–S. 11–12	411 Hv.	
Morgan, O. S. Prof. (23)	M.–S. 11–12	511 S.	509 W. 121
Morgan, T. H. Prof. (16)			
Morris, Mary F. Tr.		H. M. S.	509 W. 121
Morrison, W. H. Clin. Asst. (34)		V. C.	167 W. 91
Morse, L. B. Instr. (28)	Th. 4	410 F.	509 W. 124
Mosenthal, H. O. Instr. (28)		P. & S.	157 W. 79
Moses, A. J. Prof. (10)			
Moss, L. D. Assoc. (26)	S. 10–11	507 E.	248 W. 131
Mudge, Isadore G. Ref. Lib.		L.	430 W. 119
Muller, H. F. Instr. (28)	M. W. F. 10–11	111 B.	629 W. 135
Munroe, H. S. Prof. (10)	Tu. Th. 10–11	407 M.	501 W. 120
Mussey, H. R. Assoc. Prof. (20)	M. 2:15–3; Tu. W. Th. 9:30–10	308 B.	
	Th. 2:15–3	512 K.	Croton-on-Hudson, N. Y.
Muzzey, D. S. Assoc. (26)	M. W. F. 1–4	338 B.	Van Cortlandt Park ave., Yonkers
Myers, E. E. Clin. Asst. (34)		V. C.	418 Central Pk. W.
Myers, J. Sec. of Earl Hall (7)	Daily 9:30–1; 4–5	E. H.	309 W. 70
Nagle, W. J. Tr.		H. M. S.	Hartley
Neilson, Sarah M. Asst. Educ. Museum T. C.		T.	523 W. 123
Neish, A. C. Instr. (28)	M. Tu. F. 10–12	103 Hv.	130 Claremont ave.
Neitz, J. D. Tr.		H. M. S.	527 W. 124
Nelms, W. S. Asst. (32)	M. Tu. 1–5	210 F.	Livingston
Nelson, F. A. Assoc. (26)	M. Th. 2–5	122 E. 25	611 W. 112
Nelson, J. M. Instr. (29)	M.–S. 9; 4:30	405 Hv.	527 W. 124
Nisselson, M. Clin. Asst. (35)		V. C.	977 Tiffany
Norrie, V. H. Prof. (18)		P. & S.	21 W. 37
Norris, H. L. Supt. Buildings and Grounds (6)	M.–F. 10–11	110 L.	Livingston
Norsworthy, Naomi, Asst. Prof. (20)	M. F. 10; Tu. 9; Th. 1	337 T.	575 W. 159
Norton, N. R. Instr. (31)		P. & S.	
Nourse, Lilla A. Tr.		H. M. S.	575 W. 159
Nowlan, F. S. Asst. (33)	M.–F. 1–4	210 Hm.	Livingston
Noyes, Clara D. Lect.		T.	Bellevue Hosp'l
Noyes, W. Asst. Prof. (22)	M. W. 3–4	232 T.	Leonia, N. J.
Nutting, Mary A. Prof. (17)	Tu. 11–12; 3–4; W. F. 10–12	T.	420 W. 118
Oastler, F. R. Assoc. (25)		P. & S.	126 W. 59
O'Connell, J. Clin. Asst. (34)		V. C.	Rochester, N. Y.
Odell, G. C. D. Prof. (14)	Tu. Th. 2–3	604 Hm.	44 W. 44
Oehler, J. Asst. Prof. (16)		Phar.	Carlstadt, N. J.
Ogilvie, Ida H. Instr. (28)	Th. 10–11	214 B.	616 W. 116
Olcott, G. N. Assoc. Prof. (16)	Absent on leave 1911–12		438 W. 116

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Osborn, H. F. Prof. (11)			Am. Mus. Nat. Hist.
Osburn, R. C. Asst. Prof. (20)	Tu. Th. 10–11	409 B.	557 W. 124
Osgood, C. Clin. Asst. (34)		V. C.	58 Central Park, W.
Osgood, H. L. Prof. (10)	Th. 3–4	613 K.	526 W. 150
Ottenberg, R. Asst. (32)		P. & S.	164 W. 87
Owen, M. S. Clin. Asst. (35)		V. C.	539 W. 148
Packard, C. Asst. (32)		618 S.	Hartley
Painter, H. M. Prof. (16)		P. & S.	62 W. 55
Pappenheimer, A. M. Assoc. (25)		P. & S.	309 W. 99
Park, E. A. Instr. (30)		P. & S.	981 Madison ave.
Parr, H. L. Asst. Prof. (22)	Tu.–F. 4–5	207 E.	35 Gilbert Pl., Yonkers
Patterson, H. S. Assoc. (25)		P. & S.	149 E. 62
Peabody, Mary G. Tr.		H. M. S.	416 W. 118
Peacock, Mary H. Instr.		T.	Whittier
Pearson, H. C. Prin. H. M. Elem. Sch. (15)	Absent on leave first half-year		501 W. 120
Peele, R. Prof. (11)	Tu.–F. 11–12	405 M.	351 W. 114
Peck, C. H. Prof. (19)		P. & S.	30 W. 50
Pegram, G. B. Asst. Prof. (19)		406 F.	25 Claremont ave.
Perrine, H. Asst. (32)	M. F. 11–12	308 E.	820 West End ave.
Perry, E. D. Prof. (11)	M. W. F. 3:15–4:15	708 P.	542 W. 114
Peterson, F. Prof. (17)		P. & S.	20 W. 50
Pfeiffer, G. A. Asst. (33)		210 Hm.	506 W. 43
Phelps, Alice E. Tr.		H. M. S.	405 W. 118
Phelps, G. M. Clin. Asst. (34)		V. C.	155 E. 79
Pike, F. H. Asst. Prof. (23)		P. & S.	97 McLean ave., Yonkers
Pitkin, W. B. Assoc. (26)	M. 10–11	705 P.	Dover, N. J.
Plimpton, Lois E. Asst.		T.	Whittier
Poffenberger, A. T., Jr. Asst. (32)	W. F. 2–4	409 S.	Livingston
Pomeroy, C. H. Bursar of T. C. (6)	M.–F. 9–4:30	102 T.	430 W. 119
Pool, E. H. Instr. (27)		P. & S.	107 E. 60
Poor, C. L. Prof. (16)	Th. F. 2:30	614 F.	35 E. 69
Porterfield, A. W. Instr. (29)	M. W. 11–12	114 B.	Livingston
Potter, N. B. Asst. Prof. (20)		P. & S.	591 Park ave.
Pou, R. E. Clin. Asst. (34)		V. C.	20 W. 50
Powell, T. R. Lect. (31)	Tu. Th. 2–3	511 K.	Livingston
Pratt, Isabelle L. Recorder of T. C. (6)	M.–F. 10–12; 3–4	107 T.	221 W. 104
Pratt, Marion R. Exec. Sec. H. M. S.		H. M. S.	221 W. 104
Prescott, Harriet B. Sup. Lib.		L.	36 Gramercy Park
Prettyman, V. Prin. H. M. High Sch. (13)	M. Tu. 3–4	H. M. S.	501 W. 120
Prévôt, M. Assoc. (26)	M. Th. 2–5	Hv.	115 E. 30
Prince, J. D. Prof. (14)	M. 11–12	406 P.	Ringwood Manor, N. J., (P. O. Sterlington, N. Y.)
Proben, C. I. Instr. (27)		P. & S.	160 E. 71
Prudden, T. M. Emer. Prof. (8)			160 W. 59
Pupin, M. I. Prof. (11)			
Quasebart, T. Asst.		T.	334 Fourth ave.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Rainforth, S. I. Clin. Asst. (34)		V. C.	10 W. 61
Rather, Ethel, Dir. Women's Religious Work (7)			
Rautenstrauch, W. Prof. (17)	Th. 9	306 E.	
	F. 9	402 E.	42 Morris, Yonkers
Reddick, H. W. Instr. (29)	Tu. Th. 11	211 Hm.	Livingston
Redfield, H. S. Prof. (13)	M. Tu. Th. F. 10–11	408 K.	1925 Seventh ave.
Reesor, Mary, Instr.		T.	417 W. 121
Reimer, Marie, Assoc. Prof. (19)	Th. 1–2	438 B.	420 W. 118
Remy, A. F. J., Asst. Prof. (18)	Tu. Th. 4–5	511 P.	204 W. 141
Reynolds, J. E. Assoc. (26)			1 W. 64
Reynolds, W. S. Instr. (27)		P. & S.	66 W. 71
Richard, E. D. Lect. (31)	Tu. Th. 4–4:30	205 W.	12 W. 103
Richards, Annabella E. Asst. (33)		B.	Brooks
Richards, H. M. Prof. (14)	M. F. 11–12	318 S.	
Ristine, F. H. Instr. (31)	Tu. Th. 9	606 Hm.	Hartley
Robbins, Ida E. Tr.		H. M. S.	420 W. 119
Robbins, Very Rev. W. L. Dean Gen. Theol. Sem. (14)		G. T. S.	1 Chelsea Square
Robinson, E. Dir. Met. Mus. of Art (17)		Fifth ave. and 82	84 Irving Place
Robinson, Ethel M. Asst.		H. M. S.	36 Bell, Orange, N. J.
Robinson, J. H. Prof. (12)	M. 3:30; Tu. Th. 9:30–10 Absent on leave second half-year	601 K.	567 W. 113
Rockwell, Bertha L. Lib'n of B. C. (6)		B.	340 E. 142
Roff, A. W. Clin. Asst. (34)		V. C.	68 W. 92
Rogers, Lillian E. Tr.		H. M. S.	502 W. 113
Rogers, O. H., Lect. (31)		P. & S.	346 Broadway
Rose, A. R. Asst. (32)		P. & S.	420 W. 119
Rose, (Mrs.) Mary D. S. Asst. Prof. (22)	W. 3–4; S. 10–11	T.	420 W. 119
Rosenbloom, J. Assoc. (26)		P. & S.	309 W. 99
Ross, J. Asst.		T.	58 Morris, Yonkers
Roy, M. M. Sec. Com. on Employment for Students		311 East	
Rubner, C. Prof. (16)	Th. 10–11	607 M.	Hotel Bonta, B'way & 94
Ruger, H. A. Asst. Prof. (22)	Tu. 2; F. S. 10	338 T.	405 W. 118
Runyon, E. W. Asst. Sec. Coll. of Phar. (7)		Phar.	14 W. 38
Rusby, H. H. Prof. and Dean of Coll. of Phar. (16)		Phar.	776 De Graw ave., Newark
Russell, J. E. Prof. and Dean of T. C. (13)	M.–F. 11–12	105 T.	500 W. 121
Russell, J. I. Instr. (28)		P. & S.	603 Madison ave.
Russell, Martha M. Supt. Sloane Hosp'l		S. H.	447 W. 59
Ryder, G. H. Instr. (27)		P. & S.	43 W. 50
Sachs, J. Prof. (14)	M. W. 3–4; S. 10–11	229 T.	149 W. 81
Sait, E. M. Instr. (30)	Tu. 10–11; W. 9; F. 3–4	711 Hm.	421 W. 121

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Salathe, A. J. Lab. Asst. (33)			536–17th st., College Point, L. I.
Sandford, Georgiana, Asst. (33)	M. W. 11–12	230 B.	188 Claremont ave.
Sanford, Laura, Sec. Dept. Phys. Educ. T. C.		T.	415 W. 118
Saunders, T. L. Instr. (28)		P. & S.	43 W. 50
Saville, M. H. Prof. (15)	M. W. 9–10	304 W.	35 Claremont ave.
Sawyer, C. P. Press Representative			20 Vesey
Schick, J. Prof. (24)	S. 4–5	601 P.	419 W. 117
Schmitt, A. E. Instr. (27)		P. & S.	50 Central Pk. W.
Schnepel, G. A. Clin. Asst. (34)		V. C.	238 W. 106
Schulman, M. Instr. (29)		P. & S.	229 W. 111
Schulte, H. von W. Asst. Prof. (18)		P. & S.	176 W. 87
Schulze, H. H. L. Instr. (29)	M. 2; W. 10; S. 11	409 Hm.	200 Claremont ave.
Schüssler, Amy, Prin. Sp. S.		Sp. S.	558 W. 182
Schuyler, R. L. Asst. Prof. (23)	M. W. 11–12	712 Hm.	616 W. 137
Schwarze, C. A. Asst. (33)			
Schwerdtfeger, O. M. Instr. (28)		P. & S.	54 E. 58
Scott, G. A. Asst. (32)			Valley Pl., Edgewater, N. J.
Scripture, E. W. Assoc. (26)		P. & S.	87 Madison ave.
Seager, H. R. Prof. (14)	Tu. 3:10–4; Th. 2:10–3	514 K.	1 W. 64
Seaman, Emily C. Instr.		T.	511 W. 112
Seibert, Janet R. Recorder T. C.		T.	609 W. 114
Seligman, E. R. A. Prof. (10)	Tu. Th. F. 2–3	512 K.	324 W. 86
Severinghaus, W. L. Instr. (30)	W. Th. F. 1–4	405 F.	509 W. 124
*Shaine, M. S. Clin. Asst. (33)		V. C.	8 E. 131
Shapleigh, Bertha E. Instr.		T.	
Shear, T. L. Assoc. (26)	Absent on leave		468 Riverside Dr.
Shearer, L. H. Instr. (29)		P. & S.	449 Park ave.
Shepherd, W. R. Prof. (16)	M. 2–4	612 K.	468 Riverside Dr.
Sherman, F. D. Prof. (11)	M. W. F. 11–12	613 Hv.	158 W. 105
Sherman, H. C. Prof. (16)	Tu. Th. 11–12	509 Hv.	Hastings-on-Hudson, N. Y.
Shotwell, J. T. Prof. (16)	Absent on leave first half-year		
Shrady, A. M. Instr. (27)		P. & S.	135 W. 73
Sicard, M. H. Asst. (33)		P. & S.	15 E. 48
Siceloff, L. P. Instr. (28)	Tu. 1:30	212 Hm.	421 W. 121
Sill, Ruth P. Instr.		T.	611 W. 112
Silleck, W. M. Clin. Asst. (34)		V. C.	24 W. 50
Silver, L. M. Asst. (32)		P. & S.	103 W. 72
Simkhovitch (Mrs.), Mary G. Assoc.		T.	26 Jones
Simkhovitch, V. G. Assoc. Prof. (17)	Tu. Th. 3–4	514 K.	26 Jones
Simpson, C. G. Assoc. (27)	M. Tu. Th. F. 10–11	606 F.	600 W. 133
Simpson, W. B. Clerk, Coll. of Phar. (7)	M.–F. 9–5	Phar.	79 No. Munn ave., E. Orange, N. J.
Simpson, W. K. Prof. (15)		P. & S.	952 Lexington ave.
Skarstrom, W. Instr. (27)	Tu.–F. 11; F. 2–5; S. 10–12	Gym.	510 W. 124
Skinner, Edna L. Instr.		T.	405 W. 118
Sleffel, C. C. Instr. (27)	M. W. 11–12	32 T.	195 Claremont ave.
Slichter, W. I. Prof. (21)	M. W. 10–12	505 E.	431 Riverside Dr.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Sloane, W. M. Prof. (12)	W. 3	614 K.	105 E. 69
Smith, A. Prof. (23)	M.–F. 10–11	303 Hv.	Panmure Arms, 136 & Riverside Dr.
Smith, Bessie G. Asst.		Sp. S.	430 W. 119
Smith, C. H. Instr. (29)		P. & S.	2880 Broadway
Smith, C. S. Asst. (32)		P. & S.	410 Plane, Newark
Smith, D. E. Prof. (13)	M. W. 11	212 T.	250 W. 88
Smith, Emma P. Sec. for Women Graduate Students (7)	M. W. F. 3–5; Tu. Th. 11–12; S. 9–10	301 P.	Brooks
Smith, E. R. Ref. Lib'n Avery Lib. (17)	M.–F. 2–5	Avery Library	Hartley
Smith, F. C. Clin. Asst. (34)		V. C.	362 W. 57
Smith, L. E. Lect. (31)		Hv.	1744 Broadway
Smith, Munroe, Prof. (10)	W. F. 2–3	402 K.	169 E. 70
Snyder, R. G. Asst. (32)		P. & S.	567 Park ave.
Soper, W. B. Asst. (33)		P. & S.	Presbyterian Hosp'l
Southard, Lydia, Instr.		T.	Whittier
Stackpole, Caroline E. Instr.		T.	619 W. 135
Stadtmüller, N. Prof. (25)		P. & S.	132 E. 60
Stanton, A. D. Asst. Supt.	M. 9–10	110 L.	378 Greene ave., Bklyn
Starr, M. A. Prof. (10)		P. & S.	5 W. 54
Steeves, H. R. Instr. (29)	M. 10–11	610 Hm.	596 Riverside Dr.
Stein, J. B. Asst. (31)		V. C.	126 W. 70
Stephens, Isabel, Asst.		T.	420 W. 119
Stetten, D. Instr. (28)		P. & S.	115 W. 87
Stevens, Romiett, Instr.		T.	130 Claremont ave.
Stewart, H. A. Asst. Prof. (20)		P. & S.	680 Madison ave.
Stewart, Isabel M. Instr.		T.	510 W. 124
Stifler, W. W. Asst. (33)	M. Tu. Th. 1:30–2:30; S. 11	401 F.	507 W. 124
Stillman, A. Assoc. (25)		P. & S.	35 E. 39
Stone, Cornelia H. Asst.		T.	
Stone, H. F. Prof. and Dean of Law Sch. (21)		404 K.	2 Chestnut, Englewood, N. J.
Stone, Theo R. Tr.		H. M. S.	15 Claremont ave.
Strayer, G. D. Prof. (18)	Tu. Th. 10–11; W. 3–4	217 T.	533 W. 124
Strong, A. McI. Asst. (33)		V. C.	250 W. 82
Strong, C. A. Prof. (15)	Absent on leave 1911–12		
Strong, O. S. Instr. (27)		P. & S.	Livingston
Stuart, Florence, Tr.		H. M. S.	
Sturtevant, Ethel, Lect. (31)	M. 10:15–10:45	137 B.	Brooks
Sturtevant, E. H. Instr. (29)	M. W. 1:30–2:10	340 B.	12 Sterling Pl., Edgewater, N. J.
Sumner, A. E. Assoc. (26)		P. & S.	127 W. 58
Sutherland, Louise C. Instr.		T.	265 W. 72
Suzzallo, H. Prof. (18)	M. W. 10	314 T.	501 W. 120
Swann, A. W. Instr. (31)		P. & S.	135 E. 54
Swift, G. M. Assoc. (25)		P. & S.	20 W. 55
Sykes, F. H. Prof. and Dir. Tech. Educ. (15)	M.–F. 11–4	122 T.	Lowerre Summit Park, Yonkers

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Tannahill, Sallie B. Instr.		T.	404 W. 115
Tassin, A. D. Asst. Prof. (21)	W. F. 3–3:30	611 Hm.	16 Gramercy Pk.
Taylor, M. Tr.		H. M. S.	435 Riverside Dr.
Taylor, T. F. Tr.		H. M. S.	Livingston
Teale, O. S. Asst.		T.	35 Broadway
Tenney, A. A. Asst. Prof. (22)	M. W. 2:30	506 K.	70 Morningside ave. W.
Terriberry, W. K. Instr. (30)		P. & S.	129 W. 47
Terry, C. T. Prof. (14)	M. Tu. Th. F. 5:30–6	401 K.	62 E. 58
Thacher, H. C. Asst. (32)		P. & S.	20 W. 50
Thacher, J. S. Prof. (24)		P. & S.	20 W. 50
Thatcher, E. Instr.		T.	239 E. 19
Thomas, C. Prof. (12)	W. F. 11–12	513 P.	468 Riverside Dr.
Thomas, C. W. Asst. Prof. (22)	M.–F. 4–5; S. 9–12	506 E.	Warren ave., Palisade, N. J.
Thompson, A. W. Clin. Asst. (34)		V. C.	224 So. Parsons ave., Flushing, N. Y.
Thompson, J. D. Law Lib'n (7)	M.–S. 10–12:30	K.	490 Riverside Dr.
Thorndike, A. H. Prof. (17)	M. W. 3–4	614 P.	Lowerre Summit, Yonkers
Thorndike, E. L. Prof. (13)	M. W. 10	329 T.	Montrose, N. Y.
Thorne, F. Asst.		T.	408 W. 150
Thornton, Anna C. Instr.		T.	410 E. 178
Thurber, S. W. Instr. (27)		P. & S.	104 E. 39
Thurston, E. D. Jr., Instr. (29)	Tu. W. Th. 4–5	207 E.	511 W. 113
Tilney, F. Assoc. (25)		P. & S.	161 Henry, Bklyn.
Titsworth, S. R. Clin. Asst. (35)		V. C.	Bridgeport, Ct.
Tobey (Mrs.), Evelyn S. Instr.		T.	195 Claremont ave.
Todd, H. A. Prof. (11)	M. W. 4	501 P.	824 West End ave.
Todd, J. W. Asst. (32)			521 W. 175
Tombo, R. Jr., Assoc. Prof. (16)	M.–F. 10–12	419 W. 117	619 W. 113
Toms, Elizabeth I. Sec. to Prin. H. M. High Sch.		H. M. S.	18 W. 128
Totten (Mrs.), Cora G. Sec. to Prin. H. M. El. Sch.		H. M. S.	
Trent, W. P. Prof. (13)	Th. 12:30–1	604 P.	279 W. 71
Trowbridge, C. C. Instr. (27)	Tu.–F. 2.30–3.30	509 F.	434 Riverside Dr.
Tucker, Elizabeth L. Tr.		H. M. S.	Whittier
Tucker, S. A. Asst. Prof. (17)	M.–F. 9–5	102 Hv.	155 E. 61
Tupper, W. D. Asst. (33)	M.–F. 1–4	605 E.	79 Chestnut, E. Orange, N. J.
Turnure, P. R. Instr. (27)		P. & S.	55 W. 49
Tuttle, G. A. Assoc. (27)		P. & S.	49 W. 49
Tyson, H. H. Instr. (27)		P. & S.	47 W. 51
Upton, C. B. Asst. Prof. and Sec. of T. C. (22)	M. W. F. S. 10–11:30; Tu. Th. 3–4:30	106 T.	500 W. 121
Upton (Mrs.), Siegried H. Tr.		H. M. S.	500 W. 121
Valentine, Laura, Lib'n Sp. S.		Sp. S.	94 Lawrence
Van Amringe, J. H. Emer. Prof. (8)			48 W. 59
Van Arsdale, May B. Asst. Prof. (22)	M.–F. 10–11	T.	457 W. 123
Van Beuren, F. T. Jr., Instr. (29)		P. & S.	812 Park ave.
Vander Bent, T. L. Lect.		T.	548 W. 162
Vanderbilt, Sadie B. Instr.		T.	449 W. 123

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Vanderburgh, F. A. Lect. (31)	W. 11	406 P.	53 Washington Square
Van Doren, C. Instr. (30)	Tu. Th. 9–10	606 Hm.	Livingston
Van Hook, L. Assoc. Prof. (21)	W. 2; Th. 3	340 B.	618 W. 114
Van Pelt, J. V. Assoc. (25)	M.–F. 9–5	381–4th ave.	126 E. 80
Van Sant, J. T. Tr.		H. M. S.	527 W. 124
Van Wagenen, C. D. Clin. Asst. (34)		V. C.	616 Madison ave.
Vaughan, J. C. Dem. and Asst. (31)		P. & S.	117 E. 36
Vigneron, M. H. Asst.		T.	562 W. 123
Vitale, F. Lect. (31)			1133 Broadway
Vogel, K. M. Asst. Prof. (19)		P. & S.	680 Madison ave.
Vogeler, W. J. Clin. Asst. (33)		V. C.	Yonkers
Volkmar, L. Instr.		T.	Bedford Village
Voorhees, I. W. Clin. Asst. (34)		V. C.	3544 Broadway
Voorhees, J. D. Asst. Prof. (18)		P. & S.	106 E. 60
Vorisek, A. Prof. (17)		Phar.	354 E. 78
Vosburgh, A. S. Instr. (28)		P. & S.	85 E. 56
Vulté, H. T. Asst. Prof. (15)	Absent on leave first half-year		33 Park ave., New Rochelle
Wadelton, Helen C. Recorder (6)		421 L.	
Wadsworth, A. B. Asst. Prof. (19)		P. & S.	180 W. 59
Wald, Lillian D. Lect.		T.	265 Henry
Walker, A. L. Prof. (19)	M. F. 1–2	512 M.	Dongan Hills, S. I.
Walker, J. B. Prof. (19)		P. & S.	33 E. 33
Walls, Charlotte, Asst.		T.	423 W. 118
Walsh, J. J. Asst.		T.	523 W. 121
Ward, F. E. Assoc. and Organist (25)	Th. 10:30–11:30	606 M.	477 W. 140
Ward, W. Assoc. (26)		P. & S.	24 W. 50
Ware, W. R. Emer. Prof. (8)			Milton, Mass.
Warner, L. A. Asst. Prof. (22)	M. 11	505 T.	Bronxville, N. Y.
Warren, C. P. Asst. Prof. (19)	M.–F. 11	602 Hv.	Woodcliff Lake, N. J.
Watkins, Florence V. Tr.		Sp. S.	420 W. 119
Webb, H. W. Instr. (28)	Tu. Th. 9–11	614 F.	Livingston
Weeks, Florence L. Tr.		H. M. S.	420 W. 119
Weeks, Mabel F. Assoc. (26)	Tu. 11–12:15	136 B.	Brooks
Weeks, R. Prof. (20)	Tu. Th. 10–11	111 B.	420 W. 118
Weick, C. W. Instr. (27)	M.–S. 11–12	327 T.	507 W. 124
Weinrich, M. F. Instr. (31)	Tu. Th. 10–11	305 F.	182 No. Broadway, Yonkers
Weinstein, J. W. Clin. Asst. (33)		V. C.	71 E. 96
Weir, R. F. Emer. Prof. (8)			11 E. 54
Weiser, Lucy H. Tr.		H. M. S.	503 W. 121
Welker, W. H. Asst. Prof. (23)		P. & S.	512 W. 151
Wells, F. L. Lect. (31)			
Wendell, G. V. Prof. (21)	M.–F. 4–4.30	511 F.	25 Claremont ave.
Wheeler, Clara M. Tr.		H. M. S.	540 W. 122
Wheeler, Elizabeth H. Recorder Med. Fac. (6)		P. & S.	437 W. 59
Wheeler, J. R. Prof. (12)	W. F. 4 Absent on leave second half-year	708 P	433 W. 117
Wheelock (Mrs.), Elizabeth M. Tr.		H. M. S.	
Whipple, A. O. Instr. (30)		P. & S.	981 Madison ave.
Whitaker, F. P. Asst. (32)			151 W. 12

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Whitaker, M. C. Prof. (21)	M. W. F. 10–11	303 Hv.	460 Ft. Washington ave.
White, Bessie, Asst.		T	
Whitin, E. S. Asst. (32)			Hartley
Whiting, C. A. Clin. Asst. (34)		V. C.	70 W. 47
Whiting, J. R. Asst. (32)		P. & S.	200 W. 56
Whitley, Mary, Instr.		T.	417 W. 118
Whitman, R. Asst. Prof. (18)		P. & S.	283 Lexington ave.
Wilcox, H. B. Asst. (32)		P. & S.	159 E. 70
Wile, I. S. Clin. Asst. (34)		V. C.	230 W. 97
Wiley, Elise S. Asst.		T	1634 E. 19, Bklyn
Williams, H. B. Assoc. (27)		P. & S.	15 E. 54
Williams, J. F. Instr.		T.	346 W. 57
Williams, J. P. J. Asst. Prof. (21)	M. W. Th. F. S. 9:30–10	403 E.	227 Amity, Flushing, N. Y.
Williams, L. R. Assoc. (25)		P. & S.	882 Park ave.
Williams, P. H. Instr. (28)		P. & S.	222 W. 72
Williams, R. H. Tr.		H. M. S.	527 W. 124
Williams, W. R. Asst. Prof. (19)		P. & S.	Hotel San Remo
Wills, A. P. Prof. (16)	M. W. 11–12	502 F.	25 Claremont ave.
Wilson, E. B. Prof. (11)	Tu.–F. 11–12 Absent on leave second half-year	608 S.	411 W. 114
Wimmer, C. P. Asst. Prof. (21)		Phar.	226 W. 123
Winchell, Cora M. Instr.		T.	176 Elm, Mt. Vernon
Winchell, Florence E. Instr.		T.	176 Elm, Mt. Vernon
Winslow, C. E. A. Lect.		T.	411 W. 114
Wittson, A. J. Clin. Asst. (35)		V. C.	273 W. 73
Wood, F. C. Prof. (15)		P. & S.	200 W. 56
Wood, T. D. Prof. and College Physician, T. C. (14)	M.–S. 2–3	157 T.	501 W. 120
Woodbridge, F. J. E. Prof. (14)	M. W. 4–4:45	704 P.	Montrose, N. Y.
Woodhull, J. F. Prof. (12)	Tu. 11–12	413 T.	612 Van Cortlandt Park ave., Yonkers
Woodruff, I. O. Instr. (29)		P. & S.	152 W. 78
Woodworth, R. S. Prof. (17)	Tu. F. 10–11 Absent on leave second half-year	409 S.	Montrose, N. Y.
Woolman (Mrs.), Mary S. Prof. (13)	Tu. 9:15–9:45; W. 4–4:30	115 T.	411 W. 114
Wright, E. H. Instr. (30)	M. W. 4–5	606 P.	205 W. 107
Wye, Theodora E. Asst.		T.	
Wyman, G. H. Tr.		H. M. S.	961 St. Nicholas ave.
Yard, A. B. Asst. (32)		P. & S.	28 W. 105
Yohannan, A. Lect. (31)	W. F. 1–2	402 P.	557 W. 124
Young, C. C. Clin. Asst. (33)		V. C.	101 W. 85
Young, C. H. Prof. (13)	W. 2–3 W. 4–5	512 Hm. 708 P.	312 W. 88
Young, Helen P., Sec. to Dean and Provost of B. C.		B.	430 W. 119
Zanetti, J. E. Instr. (29)	W. 11–12	512 Hv.	Livingston
Zerbe, Margaret, Instr.		T.	Carnegie Hall

DIRECTORY OF STUDENTS

The italic letter following the name indicates the school in which the student is primarily registered—as follows:

c College
l School of Law
m School of Medicine
p School of Pure Science
ph School of Philosophy
pl School of Political Science
s School of Mines, Chemistry, and Engineering
b Barnard College
t Teachers College
f a Fine Arts (Architecture, Music, and Design)
phar School of Pharmacy

The numbers 1, 2, 3, and 4 preceding these letters indicate the class. The abbreviation *gr* indicates a graduate student in the professional schools, *nm* a non-matriculated student.

The names of women are printed in *italics*.

"Hartley," "Livingston," "Brooks," and "Whittier" refer to the University Residence Halls.

For names of students not in Directory, see Class lists in Annual Catalogue, and for addresses consult card index in Office of Registrar.

Aaronson, I. 3 *c* 307 Henry
Abbott, M. E. nm t *431 W. 121*
Abraham, C. R. O. ph *339 W. 88*
Abraham, M. ph *46 W. 90*
Abrahams, A. I. 3 *s* 67 E. 93
Acheson, A. A. 2 *l* Livingston
Acheson, M. A. 3 t *501 W. 120*
Acken, E. A. gr t
1311 St. John's Pl., Bklyn
Acken, G. N. *m* 332 W. 58
Ackerman, E. B. *phar*
742 Union St., Bklyn
Adam, R. M. *pl* 600 W. 122
Adams, A. B. *pl* 512 W. 122
Adams, A. R. ph *Hotel Plaza*
Adams, B. P. *ph* Livingston
Adams, F. D. ph *415 W. 118*
Adams, J. B. ph *134 Claremont ave.*
Adams, L. 3 *m* 318 W. 113
Adams, L. E. 2 b
366 Halsey Bklyn.
Adams, M. K. 4 t *Whittier*
Adams, M. P. *gr t* 155 Worth
Adams, N. P. G. *p* 230 W. 63
Adikes, A. M. 1 b *Brooks*
Adler, B. F. 1 b *32 W. 97*
Adler, B. M. 2 b
453 Fort Washington ave.
Adler, H. 2 *m* 270 E. Houston
Adler, H. 2 *c* 38 W. 89
Adler, R. 3 t *457 W. 123*
Agan, W. B. 4 *m* 128 W. 66
Aghnides, N. P. *pl* Livingston
Agne, H. G. *f a* 1337 Madison ave.
Agnew, G. G. 2 *c* 349 W. 123
Agnew, W. C., Jr. *f a* 531 W. 113
Ahearn, T. J., Jr. 4 *c* 1050 Clay ave.
Ahearn, W. D. 4 *c*
755 Eastern P'kway, Bklyn.
Albert, A. A. 4 t *523 W. 123*
Alden, I. p
24 Waldron ave., Summit
Alden, J. W. 1 *s* 465 Ridge, Newark
Alexander, A. D. 3 *l* 604 W. 114
Alexander, H. 3 t
90 Decatur, Bklyn.
Alexander, H. L. 2 *m*
801 West End ave.
Alexander, J. J. 2 *s* 141 E. 114
Alexander, T. *gr t* Harrison

Alfke, E. U. 4 t *346 E. 29*
Allan, A. C. 4 t *Whittier*
Allbee, E. H. 3 t *Whittier*
Allen, A. J. *gr t*
24 Sanford, E. Orange
Allen, B. M. 4 t *Whittier*
Allen, C. I. 3 *m* 356 W. 57
Allen, E. M. 3 t
50 W. 2, Mount Vernon
Allen, E. R. 3 t *431 W. 121*
Allen, E. T. 1 *s*
Allen, G. A. 4 t
130 South 3d ave., Mt. Vernon
Allen, G. M. *f a* Hartley
Allen, H. F. 1 *s* 316 W. 112
Allen, J. 4 t
106 Pennington ave., Passaic
Allen, M. 1 b *244 W. 104*
Allen, N. 3 t *Whittier*
Allen, R. B. 2 *c* Manhasset, L. I
Allen, R. H. *gr t*
14 So. Elliott Pl., Bklyn.
Allen, S. T. 4 t *Whittier*
Allen, W. C. 2 *l*
50 W. 2, Mount Vernon
Alles, R. H. *ph* 17 Lexington ave.
Alley, J. B. 4 *c* 404 W. 116
Alley, R. W. 1 *l* 404 W. 116
Allgeier, A. W. 4 t *Whittier*
Allison, B. R. 1 *m* 346 W. 57
Allison, C, 1 b *145 Baltic, Bklyn.*
Allison, M. M. 2 *c* Hartley
Almand, A. W. 1 *c* 540 W. 113
Altenberg. L. 1 *s* 1207–47, Bklyn.
Altenburg, E. *p* 2803 Third ave.
Atschiller, N. *p* 28 E. 114
Altschuler, R. B. 2 *c* 627 W. 113
Alvino, J. F. 2 *l* 243 E. 3
Alvord, D. B. 1 *c*
91 Riverside Drive
Ammarell, R. R. *pl* Hartley
Amos, F. R. ph *Whittier*
Ananieff, V. P. 4 *s* Hartley
Andersen, O. *p* Hartley
Anderson, F. D. 3 b *Brooks*
Anderson, F. M. 1 *l* 557 W. 124
Anderson, H. H. 2 *c* 604 W. 114
Andree, F. A. *f a* Hartley
Andrews, P. S. 3 *l* Hartley
Andrews, S. T. 2 b *45 E. 92*
Andrews, W. J. 3 *t* Summit
Andrix, I. E. 4 t *94 Lawrence*
Angell, R. M. 3 t *Whittier*
Angulo, C. 1 *l* 509 W. 121
Ansheles, J. *phar* Port Richmond
Ansorge, F. R. 1 b *625–11, Bklyn.*
Anthony, H. E. 1 *c* Mus. Nat. Hist.

Apgar, N. J. 3 t *Whittier*
App, A. L. nm t *101 W. 109*
Applebaum, S. B. 3 *s*
1919 Prospect ave.
Arce, J. H. 1 *s* Livingston
Arms, M. R. 4 t
1245 Amsterdam ave.
Armstrong, B. nm t *Whittier*
Armstrong, C. M. 4 t *503 W. 121*
Armstroeg, D. B. 4 *m* 564 W. 148
Armstrong, E. H. 3 *s* 618 W. 113
Armstrong, F. T. 4 *c* 565 W. 113
Armstrong, J. B. 1 *c* Whitestone
Armstrong, J. W. 1 *s*
113 Second ave., College Pt.
Armstrong, N. U. 3 b
Upper Montclair
Arner, L. M. 3 t *Whittier*
Arnold, H. H. 2 t *Whittier*
Arnold, K. S. gr t *507 W. 113*
Aronescu, L. I. 1 *c* 931 Fax.
Aronin, I. 3 *s* 812 E. 165
Aronowitz, G. 4 *m*
213 Manhattan ave., Bklyn.
Arthur, L. B. 4 t *440 E. 26*
Aschner, P. W. 4 *m*
111 Clark, Bklyn.
Ashcroft, C. Van R. gr t 152 W. 136
Askam, L. E. 1 b
Great Neck, L. I.
Askowith, D. pl *29 W. 119*
Aston, W. *pl*
Union Theological Seminary
Astruck, E. 1 b *114 W. 86*
Atkinson, G. 3 *s* 501 W. 120
Atkinson, L. S. 4 t
196 Berkeley Pl., Bklyn.
Attner, B. M. gr t *Whittier*
Atwell, R. K. *gr t* 520 W. 122
Auchenpaugh, E. A. 1 b
360–92, Bklyn.
Auerbach, J. G. 3 b *40 W. 77*
Augsbury, T. B. *phar*
Hempstead
Augur, M. A. 4 b *33 W. 67*
Augustine, A. E. 3 *s* 479 W 152
Austin, C. L., Jr 4
285 Ryerson, Bklyn.
Avent, J. M. 4 *t* 901 Ogden ave.
Axelrod, H. 1 *c* 276 Riverside Drive
Axman, L. H. 2 *l* 1229 Park ave.

Baar, E. N. 3 *c*
552a Macon, Bklyn.
Babcock, E. F. 3 t *2530 Grand ave.*
Babcock, H. S. 3 *s* 614 W. 113
Babcock, J. W. 3 *m* 325 W. 58

Bach M. G. *ph*
974 St. Nicholas ave.
Bach, R. F. *f a* 430 W. 118
Bache, E. D. B. 3 t *417 W. 120*
Bacher, H. R. *2 s* 531 W. 113
Bachrach, D. J. 4 *c* 64 E. 91
Backus, H. M. nm t
631 Wash., Hoboken
Bacon, B. L. pl *43 Fifth ave.*
Bacon, H. E. ph *70 Irving Pl.*
Badanes, B. R. 2 b *1462 Bryant*
Baena, L. C. 1 *s* 601 W. 137
Baer, S. 1 *c* 605 W. 156
Bagg, H. J. 1 *c* 539 W. 163
Bagnell, R. H. 3 *l*
268 Stuyvesant ave., Bklyn.
Bailey, C. 3 t *15 Halsey, Bklyn.*
Bailey, C. A. 1 *l* Livingston
Bailey, O. A. *p* 520 W. 122
Bailey, W. B. *2 c*
260 Hancock, Bklyn.
Bain, G. B. 1 b *537 W. 123*
Bainton, W. L. 4 *c*
25 Morningside ave.
Baker, C. S. 2 *l* 965 Lexington ave.
Baker, E. D. *pl* 420 W. 121
Baker, E. W. 4 *m*
76 Hardenbrook ave., Jamaica
Baker, N. P. 1 *m* Cranford
Baker, S. M. nm b *420 W. 121*
Baker, W. E. 4 *c* 172 W. 107
Baker, W. P. 1 *m* 318 W. 57
Bakovitz, H. 1 *c* 60 W. 139
Baldwin, B. H. 3 t *431 W. 121*
Baldwin, B. J. *pl* Livingston
Baldwin, M. 2 b
106 Lord ave., Bayonne
Baldwin, M. E. 3 t *Whittier*
Ball, D. S. *2 c* 622 W. 113
Ball, D. W. 3 t
2 Lincoln, East Orange
Ballard, E. C. 3 t *120 W. 103*
Ballot, M. R. L. 3 b
913 President, Bklyn.
Ballou, M. A. 3 t *701 W. 177*
Ballou, W. A. *gr t*
332 Lafayette ave., Bklyn.
Balmford, E. F. 3 b *509 W. 146*
Balmford, J. A. 1 *s* 509 W. 146
Balsam, J. *f a* 619 W. 135
Bamter, B. M. *nm t* Perth Amboy
Bangs, F. N. 2 *l* 627 W. 115
Bangser, W. 3 *s* 140 W. 82
Banker, G. D. 1 b
227 Van Houten ave., Passaic
Banks, J. L., Jr. 1 *l* 19 E. 92
Banks, R. M. 1 *s* 612 W. 116
Bankson, P. C. 3 *c* 612 W. 135
Barasch, M. *p* 903 St. John's ave.
Barbee, C. C. *pl* Livingston
Barber, M. J. 2 b
210 Rodney, Bklyn.
Barber, T. H. 2 *l* 18 E. 70
Barbero, G. 4 *s* Third ave., & 148
Bardenheuer, C. E. 4 t
628–8th, College Point
Barker, H. M. 4 *c* 558 W. 113
Barnaby, C. E. nm t
273 Hamilton ave., New Brighton
Barnaby, R. S. 1 *s*
273 Hamilton ave., New Brighton
Barnes, F. E. 1 *c* Hartley
Barnes, H. H. 3 t *Whittier*
Barnet, C. I. 1 b
285 Quincy, Bklyn.
Barnett, C. R. 2 *c*
1029 College ave.
Barnett, I. I. *gr t* 70 W. 118
Barnum, G. E. 3 t *Whittier*
Barnum, R. F. 1 *l* 616 W. 113
Barnwell, C. L. *f a* Harvard Club
Baron, J. 1 *c*
166 Harrison ave., Bklyn.
Baron, J. L. 1 *c* 60 Canal
Barr, L. E. gr t *417 W. 121*
Barr, S. 2 *c* 4 E. 113
Barranco, M. *gr t* 526 W. 123
Barrett, A. A. 3 b *600 W. 163*
Barrett, B. 4 *c* 627 W. 113
Barrett, E. A. nm t
548 Grand ave., Englewood
Barrett, M. 3 t *417 W.121*
Barrett, M. 4 b *Brooks*
Barrett, M. L. 4 t *47 W. 30*
Barrett, O. C. 1 *s* 627 W. 113
Barrett, P. S. 4 *m*
511 Lafayette ave., Bklyn.
Barrett, T. H. 2 *s*
511 Lafayette ave., Bklyn.
Barrick, J. S. 2 b
243a Summit ave., Jersey City
Barrows, F. W. 4 t *Whittier*
Barske, C. M. 3 t *Whittier*
Barth, E. A. *2 c* 411 W. 114
Bartholow, B. H. 1 *c*
114 So. 8th ave., Mt. Vernon
Bartlett, G. gr t *503 W. 121*
Bartlett, J. H. 1 *s*
60 Chestnut ave., West Orange
Bartling, L. H. 2 b
90 Morningside Drive, W.
Bartos, E. *f a* 57 W. 124
Bason, C. H. 4 t *64 E. 128*
Bason, E. L. 1 t *64 E. 128*

Basseches, J. L. 3 *s* 381 Broome
Batchelor, G. H. 3 t *521 W. 175*
Bateman, G. H. 2 b *213 W. 34*
Bates, J. S. *p* Livingston
Battey, L. L. 1 *l* Hartley
Baturin, M. 2 *c* 521 W. 123
Bauhan, L. H. 1 b
173 Hutton, Jersey City
Baum, H. A. *f a* 514 W. 122
Baum, M. 2 b *130 E. 115*
Baumeister, P. 2 *s*
2855 Bainbridge ave.
Baumeister, P. A. 4 *s* 618 W. 113
Baxter, C. W. 1 *s*
173 Columbia Hts., Bklyn.
Baxter, L. M. 1 *c*
34 Reynolds Terrace, Orange
Beach, G. B. p
Normal College H. S. Annex
Beadle, J. B. 4 *s* 565 W. 113
Beakes, D. E. nm t *345 W. 57*
Beall, A. C. 2 b
Armour Villa Park, Yonkers
Beam, J. C. 4 *s* Bogota
Bear, J. R. 3 t *525 W. 123*
Bear, K. L. 3 t *525 W. 123*
Beard, A. F. nm t *528 W. 123*
Beard, J. T. 4 *c* 633 W. 115
Beardshear, W. M., Jr. *ph*
Livingston
Beatman, A. S. *pl* Livingston
Beatty, L. R. 1 *c*
145 St. James Pl., Bklyn.
Beatty, R. L. 1 *s*
145 St. James Pl., Bklyn.
Beck, A. M. 4 t
103 Fifth ave., New Brighton
Beck, D. 4 *m* 9 E. 112
Beck, E. J. *pl* Madison
Becker, A. A. 4 *t* 1210–40, Bklyn.
Becker, E. G. 1 b *232 W. 137*
Becker, P. F. 4 *s* 1722 Melville
Becker, W. V. 1 *l*
Beckhard, E. S. nm t *102 W. 87*
Beckwith, A. J. 1 *c*
91 Weirfield, Bklyn.
Beckwith, E. W. 3 *m* 661 W. 180
Beeckman, F. L. pl *141 W. 104*
Beehler, G. R. 3 *s* Hartley
Beeman, C. R. *nm t* Hewlett, L.I.
Beeman, R. *gr t* Woodside
Beemer, J. G., Jr. 3 *c* Yonkers
Beer, T. 1 *l*
227 Palisade ave., Yonkers
Beers, E. E. 1 b *Brooks*
Begeman, W. K. 4 *s* 540 W. 113
Behr, E. gr t *605–3, Bklyn*
Behr, N. M. 2 *l* Livingston
Beidleman, F. A. 2 *c*
585 Park Pl., Bklyn.
Beiswanger, E. N. 3 t
The Grinnell, 157 & Audubon Pl.
Belknap, A. F. 1 b *252 W. 84*
Belknap, B. H. 1 *s*
Park ave., Leonia
Bell, A. L. L. 1 *c* Englewood
Bell, E. T. *p* 257 W 124
Bell, F. M. p *519 W. 121*
Bell, J. E. 4 *s* 536 W. 114
Bell, Mrs. J. L. 3 t *557 W. 124*
Bell, M. B. V. 4 t
148 Bodine, West New Brighton
Bellinger, W. H. *nm c* 115 W. 91
Bellows, M. L. 4 t
112 Park ave., Yonkers
Bendenagel, C. E. *f a* Hartley
Bender, A. *p* Livingston
Bender, M. B. 2 *m*
25 Clendenny ave., Jersey City
Bender, M. S. *phar* 231 E. 13
Bender, R. C. 2 *c*
342 W. Jersey, Elizabeth
Bender, S. 2 *l*
291 Stuyvesant ave., Bklyn.
Bender, W. F. 3 *m*
925 St. Nicholas ave.
Benedict, A. ph
143 Henry, Bklyn.
Benedict, L. E. W. ph *457 W. 123*
Benedict, M. I. 4 t
95 North B'way, Yonkers
Bennett, A. L. gr t
323 State, Hackensack
Bennett, E. W. 3 *t*
21 Beaufort, Jamaica
Bennett, G. L. *gr t*
149 Pk., Hackensack
Bennett, R. V. 4 *t* 411 W. 114
Bennion, A. S. *ph* 102 W. 109
Benson, A. W. 2 *m* 245 W. 54
Benson, C. D. 4 *s* 255 W. 101
Benson, R. 1 *s* 255 W. 101
Bentkowski, H. C. 2 *s*
66 North 7, Bklyn.
Bentley, J. E. 4 t *414 W. 118*
Benton, W. E. 1 *s*
667 Bedford ave., Bklyn.
Benvie, G. 1 *c*
18 Jefferson ave., Bklyn
Berg, I. B. 4 t *510 W. 124*
Berge, F. O. *pl* 430 W. 118
Berger, E. 1 b *90 E. 21, Bayonne*
Berghorn, W. H. 1 *s*
25 Reservoir ave., Jersey City

Berinstein, B. 3 *l* 54 W. 118
Berk, W. L. 3 *c* 425–4, Bklyn.
Berkman, J. *p* 606 E. 9
Berlenbach, C. F. *f a* 13 Stuyvesant ave., Bklyn.
Berliner, E. 2 *l* 66 W. 118
Berliner, I. M. 2 *c* 325 Central Pk, W.
Berman, F. J. p 1355 Franklin ave.
Berman, L. 1 *m* 24 E. 99
Berman, L. E. *nm c* 139 W. 127
Bernays, H. F. 2 b 121 W. 119
Berner, F. 1 *s* 159 Norfolk
Bernheim, A. L. 2 *c* 74 E. 79
Bernheim, S. A. 1 b 129 W. 79
Bernkopf, A. E. ph 503 W. 121
Bernkopf, C. S. 4 t 503 W. 121
Bernstein, A. 3 *c* 3875 B'way
Bernstein, Bernard 2 *c* 3875 B'way
Bernstein, Benj. 4 *c* 162 E. B'way
Bernstein, J. S. 1 b Brooks
Bernstein, L. 1 *c* 755 Gates ave., Bklyn.
Berrian, G. 4 b Spuyten Duyvil
Berry, A. B. 3 t 4 Neptune ave., New Rochelle
Bertran, W. *nm l* Hartley
Best, E. L. Mrs. pl Bronxville
Best, M. D. nm t Englewood
Betts, A. F. 4 t Whittier
Bevan, A. E. 3 t Hawthorne ave., Port Chester
Bevans, G. E. *pl* Hartley
Beveridge, A. nm t 15 Audrey ave., Mt. Vernon
Beveridge, H. S. 4 t 505 W. 122
Bevier, M. 2 b 212 Berkeley Pl.
Beyer, B. J. *ph* 243 B'way
Beyer, L. F. 3 t 511 E. 117
Bhadkamkar, P. P. 1 *c* Livingston
Bhattacharya, B. *nm c* 504 W. 122
Bickel, P. J. 3 *l* 359 W. 117
Bicknell, A. nm t Whittier
Bidstrup, G. 4 t 42 Jerome, Bklyn.
Bidwell, A. M. 1 *m* 1 Madison ave., Jersey City
Bieber, I. 3 *t* 1203–40, Bklyn.
Bieber, P. D. 3 *l* 383 E. 8
Bierman, W. 1 *c* 157 Keap, Bklyn.
Bigelow, M. H. 3 *l* 609 W. 127
Bigelow, O. O. *phar* 162 Irving ave., Bklyn.
Biggart, J. R. nm t 156 Wash. ave., Bloomfield
Bijur, S. M. 1 *c* 50 W. 77
Bilder, W. J. 1 *c* 220 Hamilton ave., Paterson
Bilderback, W. E. *nm t* Atlantic Highlands
Bildersee, A. ph 257 W. 92
Bilhuber, E. A. 3 *s* 627 W. 113
Binderman, S. A. 1 *m* 47 St. Marks Pl.
Binkley, Mrs. L. T. 4 t Whittier
Binkley, R. D. 4 *t* 210 W. 59
Bird, H. E., Jr. 2 *s* So. Fulton ave., Mt. Vernon
Bird, J. M. 2 *c* 306 Fenimore, Bklyn.
Birkett, S. C. nm t 21 Claremont ave.
Birkhead, L. M. *ph* 131 W. 104
Birkholz, B. 3 t Whittier
Birnbaum, H. 3 *c* 775 Beck
Bishop, B. I. 3 b Whittier
Bishop, F. A. pl 501 W. 121
Bishop, F. W. 4 *m* 202 W. 103
Bishop, M. L. *p* 153 Halsey, Bklyn.
Bishop, V. G. nm t 217 W. 133
Bissell, A. W. 3 *s* 431 W. 117
Bissell, K. H. 2 *s* 46 W. 55
Bissell, P. St. G., Jr. 3 *l* 45 W. 11
Bitterman, A. 3 *c* 104 McLean ave., Yonkers
Blaber, J. T. 2 *l* 203–18, Bklyn.
Blachly, F. F. *pl* Livingston
Black, A. J. ph 211 E. 15
Blackwell, J. M. 1 *c* Hartley
Blain, M. W. ph Brooks
Blair, E. F. 4 t 416 W. 124
Blake, A. S. 4 t 80 St. James Pl., Bklyn.
Blake, M. J. 1 b 504 W. 151
Blake, M. M. nm t Whittier
Blakey, J. G. *nm t* Livingston
Blakey, R. G. *pl* Livingston
Blanchard, B. F. *ph* 175 Claremont ave.
Blanchard, D. D. 1 *s* 1818 Topping ave.
Blanchard, H. F. 3 *s* 1818 Topping ave.
Blank, B. L. *f a* 51 E. 129
Blankenstein, M. M. 4 t 419 W. 121
Blatchley, C. A. *p* 32 Guion Pl., New Rochelle
Blatt, E. 1 *s* 408 Pulaski, Bklyn.
Blaut, S. J. 3 *s* 331 E. 51
Blauvelt, H. G. 1 *s*
Blauvelt, M. E. *ph* 3 Robbins Pl., Yonkers
Bleecker, A. L. 1 *s* 6 W. 91
Bleet, H. M. 1 b 526 W. 174

Bleier, E. 4 *m* 915 Prospect ave.
Blend, A. E. *gr t*
198 Hillside ave., Glen Ridge
Bliss, W. P. *p*
29 Northview ave., Upper Montclair
Bloch, J. J. 1 *c* 271 W. 113
Blodgett, E. 4 t
1046 Amsterdam ave.
Blohm, A. F. nm t *500 W 121*
Blount, I. M. 1 b *607 W. 116*
Blow, A. M. 3 *s* Livingston
Bluestone, E. M. 3 *c*
215 E. Broadway
Bluestone, I. H. *phar*
1361 Fifth ave.
Blum, G. 3 *t* 19 W. 115
Blum, I. 3 *l* Livingston
Blum, J. H. ph *254 W. 98*
Blumenberg, C. 2 b
4781 White Plains ave.
Blumenthal, A. S. 3 *s* Maywood
Blumenthal, H. B. 1 b
333 Central Pk., W.
Blumgarten, S. L. 4 t
550 ave A, Bayonne
Boardman, A. I. nm t *515 W. 122*
Boas, B. 3 t *Whittier*
Boas, E. P. 2 *m* Grantwood
Boas, H. M. p *Grantwood*
Bobbé, S. S. 2 *c* 206 W. 131
Bodenheimer, I. H. 1 *s*
1239 Madison ave.
Bodziner, J. 1 *s* 322 E. 8
Boegehold, H. 4 t
120 North Sixth ave., Mt. Vernon
Boegehold, W. D. 2 b
120 North Sixth ave., Mt. Vernon
Bogert, E. O. 1 *c*
87 Maple ave., Flushing
Boggs, M. H. 3 t *500 W. 122*
Bohlin, H. G. 2 *s* Ridgefield Park
Bojesen, J. pl *111 Manhattan*
Bokshetzky, M. E. 2 *c*
381 Kosciusko, Bklyn.
Bole, G. A. *p* 438 W. 116
Bolger, J. V. 2 b 1891 Madison ave.
Bolger, P. S. L. 4 *s*
1891 Madison ave.
Boller, P. F. *pl* 600 W. 122
Bomvicino, L. A. 1 *c*
7309 Third ave., Bklyn.
Bonart, C. I. 1 *c*
450 Riverside Drive
Bonfoey, E. C. ph *Freeport*
Bonney, L. E. 4 t
154 Park, Hackensack
Bonsib, R. M. 3 *s* 616 W. 113
Bonsib, R. S. 3 *s* 616 W. 113
Boody, B. M. ph *424 W. 119*
Bookstaber, P. D. *pl*
1169 Washington ave.
Booth, E. L. 4 t *601 W. 125*
Booth, F. 1 *c* 601 W. 125
Borchardt, G. 4 b *352 E. 124*
Borden, M. A. 1 b *Grantwood*
Borsuk, R. 1 *s* 2387 Marion ave.
Bortone, F. 4 *m*
150 Bloomfield ave., Newark
Bosch, E. 4 *c* 1133 Longfellow ave.
Bostwick, S. W. gr t
207 Inwood ave., Upper Montclair
Bosworth, M. B. 4 t *420 W 119*
Botkin, R. J. *phar*
168 W. 24, Bayonne
Botsford, J. B. 2 *c* 550 W. 114
Botté, R. A. 3 *t*
16a W. 36, Bayonne
Bougher, E. 3 t *Caldwell*
Bourn, A. O. *pl* 27 W. 44
Bourne, R. S. 3 *c* 557 W. 124
Boutelle, H. L. pl *3 Gramercy Pk.*
Bouton, H. P. 3 t
649 Pearl st., Elizabeth
Bowden, M. A. 3 t
536 N. Broadway, Yonkers
Bowden, R. H. *f a* Hartley
Bower, S. C. 1 *s*
1307 Lexington ave.
Bower, S. E. 4 t *536 W. 143*
Bowers, S. W. 1 *s* 53 W. 85
Bowers, W. C., 2d 3 *l* 45 E. 65
Bowles, F. C. *p* 421 W. 121
Bowman, L. C. *gr t* Hempstead
Boyce, W. S. *pl* Livingston
Boyd, B. B. 2 *l* 531 W. 113
Boyd, I. E. gr t
213 Bklyn. ave., Bklyn.
Boyd, H. A. *ph*
Union Theological Seminary
Boyd, J. S. 3 t *158 W. 130*
Boyd, J. S. nm t *15 W. 130*
Boyer, H. D. 4 t *Whittier*
Boyle, C. A. 2 *s* 534 Trinity ave.
Boylston, E. J., Jr. 2 *s* 221 E. 169
Braddock, W. H. 2 *m* 346 W. 55
Bradford, H. J. 1 *s* 524 W. 123
Bradish, E. C. 4 t *500 W. 121*
Bradley, D. C. 1 b *421 W. 117*
Bradley, H. M. ph
Bradley, M. E. 3 t *503 W. 121*
Bradley, S. M. 4 *s* 618 W. 113
Brady, F. L. 1 *c*
1161 Amsterdam ave.
Brady, J. C. 3 *s* 17 E. 129

Brady, K. R. 4 t
72 Van Siclen ave., Bklyn.
Brady, L. 2 *c*
94 Seventh ave., Bklyn.
Brady, W. E. 4 *t* 415 W. 118
Brager, B. 2 *s* 319–21 E. 12
Brager, L. 1 *c*
508 Vermont, Bklyn.
Brainerd, H. B. *f a* 135 E. 30
Brainerd, H. R. 1 *c* 135 E. 30
Braislin, W. D. 1 *c*
556 Washington ave.
Bramwell, G. M. 2 *c*
Hotel Gotham, Fifth ave. & 55
Brancati, C. 3 *m* 2262 First ave.
Brande, O. D. t *152 W. 119*
Brandenburg, H. 1 *s* 1470 Fifth ave.
Brandes, W. W. 2 *c* Hartley
Brandon, M. A. 4 t
186 Claremont ave.
Brandt, R. C. 2 *l* 531 W. 113
Branner, J. K. *f a* Livingston
Brasted, H. S. 2 *m* 27 W. 84
Braun, F. A. ph
1240 Lexington ave.
Braus, L. 3 *c* 468 Riverside Drive
Braus, R. N. nm t 468 Riverside Dr.
Braverman, B. 1 *c* 19 Eldridge
Braverman, L. 2 *s* 19 Eldridge
Bray, C. B. 4 t *Whittier*
Brayton, J. 3 t *400 W. 118*
Bream, E. S. *p* Elizabeth
Brehaut, E. *pl* 415 W. 118
Brennan, M. E. t *215 E. 39*
Brennecke, H. 2 *c* 168 W. 100
Brenneman, L. L. 4 *t* 500 W. 122
Brenner, A. B. 4 *c*
252 Carroll, Bklyn.
Brenner, M. 3 *l* 252 Carroll, Bklyn.
Bressler, H. B. ph
158 Second ave., L. I. C.
Brett, A. M. 1 b *611 W. 127*
Brett, G. M. *p* Hartley
Brewer, A. S. nm t *415 W. 118*
Brewer, M. D. Mrs. pl
400 Riverside Drive
Brewster, A. D. ph *527 W. 124*
Brewster, J. A. *pl* 120 E. 24
Brickner, B. 4 *t* 56 Eldridge
Bridge, E. 4 t *Whittier*
Bridge, E. R. 3 *m*
801 Madison ave.
Bridge, H. L. 3 t *Whittier*
Bridges, C. B. 3 *c* River Edge
Bridges, M. A. 1 *c* 148 W. 74
Brieant, C. L. 1 *c*
25 Elizabeth, Ossining

Briggs, A. B. 4 t
46 Park Place, East Orange
Briggs, T. H. *gr t* 533 W. 124
Brigham, N. R. *f a* 540 W. 113
Bright, A. A. 1 *l* Livingston
Brill, I. C. 4 *c* 1632 Madison ave.
Brim, C. J. 4 *m* 46 Walker
Brim, O. G. *gr t* Livingston
Brimberg, J. 2 *s* 521 W. 125
Brinkerhoff, H. T. 1 *c*
110 Monroe, Bklyn.
Brister, C. M., Jr. 2 *s* 500 W. 122
Bristol, A. E. 3 *l* Livingston
Brittain, M. 2 b
15 Livingston ave., Yonkers
Brittain, V. I. 2 b
15 Livingston ave., Yonkers
Broadley-East, A. *pl* Madison
Brock, A. J. 3 *c* 207 E. 71
Brock, R. E. *nm l* 616 W. 113
Broderick, E. V. 4 *c*
31 Vineyard ave., Yonkers
Brodie, D. M. *pl* 600 W. 122
Brodsky, H. 2 *l* Bayonne
Brokaw, E. 3 t *97 Dukes, Kearny*
Brokaw, R. V. 1 *m* 346 W. 57
Brombacher, M. H. C., Jr. 3 *s*
94 W. 183
Bronner, A. F. gr t *418 W. 118*
Broockmann, O. W. E. 4 *s*
Church St., Richmond Hill
Brookes, D. E. 4 t *Whittier*
Brookmyer, I. L. 4 *t* Livingston
Brooks, G. nm b *71 E. 59*
Brooks, G. B. 1 *l*
4 Thomas Pl., New Rochelle
Brooks, L. M. 3 t
1985 Prospect ave.
Brooks, L. V. 1 *s* 510 W. 113
Brooks, R. 3 t *463 W. 159*
Brooks, R. W. 2 b *Harrison*
Brophy, F. P. 2 *s* 565 W. 113
Brophy, W. E. 1 *s*
443 Hawthorne ave., Yonkers
Brothers, J. H., Jr. 2 *m*
89 Farview ave., S. I.
Broughton, H. E. 1 *s*
365 State, Hackensack
Brown, A., M.D. 4 *t* 16 W. 65
Brown, A. G. 3 b *Brooks*
Brown, A. K. 3 t *638–52, Bklyn.*
Brown, B. H. *f a* 112 Riverside Dr.
Brown, C. J. 1 *c* Great Neck
Brown, E. J. 4 t *Whittier*
Brown, F. J. 2 *c* 158 W. 131
Brown, G. D. 3 b *556 W. 140*
Brown, H. A. *gr t* 3115 Broadway

Brown, H. A. 3 t
109 Essex ave., Orange
Brown, H. H. 1 *l* 2087 Fifth ave.
Brown, H. S. 2 *l* Hartley
Brown, J. 4 t *White Plains*
Brown, J. C. *gr t* 527 W. 124
Brown, J. E. 1 *c* 614 W. 148
Brown, K. 3 t
109 Essex ave., Orange
Brown, K. 3 t *Whittier*
Brown, K. P. 3 t *Whittier*
Brown, M. E. 3 t *509 W. 122*
Brown, M. L. *ph* 251 W. 80
Brown, M. R. 3 t *Whittier*
Brown, Mrs. N. 3 t 3115 Broadway
Brown, T. E., 3d 4 *s*
112 Riverside Drive
Browne, E. N. p *415 W. 118*
Browne, M. E. p
1539 Pacific, Bklyn.
Browning, C. P. 3 *s* 616 W. 113
Brownlee, M. ph *Whittier*
Bruen, W. W. 1 *l* Madison
Brundage, H. D. 4 *t*
2146 Honeywell ave.
Bruno, A. 3 *m* 3200 Broadway
Bruno, Rev. J. B. *ph*
26 Olive, Bklyn.
Bruns, T. M. L. 1 *l*
90 Morningside Drive
Brunton, J. S. L. *p*
Bryan, E. H. 4 *t* Cresskill
Buchanan, M. C. 3 t *Whittier*
Bucher, C. S. *pl* 510 W. 124
Buchtenkirch, G. C. 2 *c* 228 E. 31
Buck, A. *phar*
169 Irving ave., Bklyn.
Buck, L. L. 3 *t* 417 W. 120
Buckisch, W. G. *ph* 501 W. 121
Buckley, H. M. *ph* 600 W. 122
Buckley, M. 4 t *Whittier*
Budd, M. 1 b *Brooks*
Budington, E. G. *pl* 32 Nassau
Budner, H. S. 1 *l* 63 E. 118
Buermeyer, M. D. 3 t
193 St. John's Pl., Bklyn.
Bullock, C. M. 4 t *116 W. 109*
Bullwinkel, E. J. 4 *c* 614 W. 113
Bülow, S. I. 1 b 2444 Lorillard Pl.
Bulson, M. T. ph
64 Hillside ave., Englewood
Bultman, C. G. 3 t *Whittier*
Bunce, E. F. 3 *t* Lodi
Buncke, H. J. 1 *s*
101 N. Eighth ave., Whitestone
Bunzel, B. 4 b 300 Central Pk., W.
Bunzl, J. V. 4 *c* 121 E. 72
Bunzl, L. C. 2 b *121 E. 72*
Bunzl, M. E. 3 b *175 W. 72*
Bunzl, W. G. 1 *c* 175 W. 72
Buquo, H. 4 t 90 Morningside Dr.
Burd, C. G. *ph* 405 W. 118
Burgess, E. C. 4 t
St. Luke's Hospital
Burgess, E. L. 3 b *557 W. 124*
Burgevin, C. L. 2 b
North Regent, Port Chester
Burghard, E. G. 1 *c* 1 E. 93
Burghardt, H. *nm t*
66 St. James Pl. Bklyn.
Burgi, H. 3 *s* 903 E. 139
Burke, A. 3 t *423 W. 118*
Burke, A. F. 3 t *503 W. 121*
Burke, A. M. pl *Brooks*
Burke, E. 1 *m*
5 Montague Ter., Bklyn.
Burkhard, R. V. 3 *c*
192a Madison, Bklyn.
Burkhard, S. *gr t* 600 W. 122
Burkhard, W. E. 3 *s*
132 Stevens ave., Jersey City
Burkhart, S. 3 t *Whittier*
Burkholder, H. 4 b
99 Macon, Bklyn.
Burlingame, A. E. pl *417 W. 120*
Burlingham, R. 2 *m* 140 E. 38
Burnett, M. H. *pl*
393a McDonough, Bklyn.
Burnham, R. W. *gr t*
1801 Dorchester Rd., Bklyn.
Burnite, M. A. 4 t *509 W. 121*
Burr, G. L. 4 *s* Livingston
Burroughs, A. H., Jr. 3 *s* 616 W. 113
Burstein, A. 3 *c* 236 E. B'way
Burt, A. M. pl *Brooks*
Burton, L. S. 2 t *417 W. 120*
Burton, L. W. M. 1 *l* 520 W. 123
Busbee, C. p
64 Union ave., Jamaica
Buschmann, A. D. 3 t *Whittier*
Bush, A. M. *nm c*
1700 Pitkin ave., Bklyn.
Bushnell, E. J. 4 t *Whittier*
Butcher, W. F. 4 *s* 540 W. 113
Butler, C. A. 2 *c* 351 W. 114
Butler, G. P., Jr. 1 *c* Hartley
Butler, H. H. *f a*
733 Lexington ave., Bklyn.
Butler, L. C. 2 *l* 30 E. 72
Butler, S. S. 1 b *Brooks*
Buttenwieser, C. 3 b
300 Central Pk., W.
Butterworth, G. F., Jr. 2 *c*
104 E. 30

Butts, J. E. 3 *l* Livingston
Byerly, E. 3 t *Whittier*
Byoir, C. R. 3 *l* Hartley
Byrne, S. L. t 8 St. James, Montclair
Byron, O. 2 *s*
34 Warren ave., Jersey City

Cabrera, R. C., Jr. *phar* 23 W. 125
Cady, L. B. 2 *m* 315 W. 89
Cagliostro, C. L. 3 b
65 Bay 32, Bensonhurst
Cahill, R. R. 3 *l* 420 W. 121
Cahn, P. sp b *202 Riverside Drive*
Cain, M. F. 3 t *512 W. 122*
Calahan, H. A. 4 *c*
215 Cumberland, Bklyn.
Caldwell, G. A. 2 *m* 330 W. 58
Caldwell, G. D. 3 *c* 633 W. 115
Calhoun, E. C. 1 *l* Hartley
Calhoun, H. G. 2 *l*
1161 Amsterdam ave
Calhoun, R. E. 1 *l* Hartley
Callan, E. J. 1 *m* 26–2, Bklyn.
Callan, M. E. 3 b *816 E. 176*
Calvelli, A. F. *phar* 305 E. 112
Calvelli, E. *phar* 2170 Second ave.
Calvelli, G. *phar* 2170 Second ave.
Calvin, M. J. gr t *449 W. 123*
Cameron, E. nm b
155 Fourth ave., Newark
Cameron, W. S. *p* 239 W. 136
Campbell, A. L. ph *Brooks*
Campbell, B. E. 3 t *604 W. 125*
Campbell, D. 1 *c* 319–8, Bklyn.
Campbell, Mrs. J. A. L. ph
520 W. 114
Campbell, M. M. 4 t *Whittier*
Campbell, V. A. 3 *t*
101 Clinton ave., Bklyn.
Campbell, V. H. 4 t
Campbell, W. M. 3 *c* 543 W. 141
Campion, G. N. 2 b *261 W. 23*
Campion, J. L. *ph* 370 W. 116
Candela, R. *f a* 619 E. 16
Canfield, L. H. *pl* 711 W. 178
Cannon, T. L. 1 *c*
323 West End ave.
Cantor, M. H. nm t
Beechmont, New Rochelle
Caplan, L. L. *phar* 964 Kelly
Caples, E. J. ph *540 W. 122*
Capron, E. L. 4 t *502 W. 149*
Carber, F. H. 4 *m* Livingston
Carey, E. G. ph *Brooks*
Carlin, J. F. 2 *l*
270 Washington ave., Bklyn.
Carlisle, J. H. 3 *m* 231 W. 69
Carlson, M. W. pl
430 W. 118
Carlton, D. E. 1 *l* 419 W. 118
Carlton, L. F. 3 *m* 419 W. 118
Carman, L. G. nm t *Whittier*
Carman, M. I. 2 b
283 Madison ave., Flushing
Carmel, W. J. 3 *s*
611 Willoughby ave., Bklyn.
Carner, S. 3 *s* 450 Grand
Carney, C. T. 4 *s* Hartley
Carney, S. M. 4 t *Whittier*
Carothers, F. E. 1 b
1154–49, Bklyn.
Carp, L. 1 *m* 83 Willett
Carpenter, F. R. 4 t *519 W. 121*
Carpenter, L. E. 3 t
103 Morningside ave.
Carpenter, R. *ph* 417 W. 117
Carr, A. M. nm t *420 W. 118*
Carr, C. E. 3 *m*
917 Boulevard, Bayonne
Carr, E. Q. 2 *l* 831 Carroll, Bklyn.
Carr, F. C. 3 *m*
917 Boulevard, Bayonne
Carr, M. C. 1 b 831 Carroll, Bklyn.
Carroll, A. ph *627 W. 136*
Carroll, J. E. 2 b
76 Morningside Drive
Carroll, J. J. 2 *s*
46 First ave., No. Pelham
Carroll, J. W. 4 *c* 619 W. 113
Carse, E. gr t *129 E. 30*
Carter, E. D. gr t *628 W. 114*
Caruso, C. W. 2 *l*
11 Garside, Newark
Caruthers, A. W. 3 *s* Hartley
Casale, J. B. 3 *m*
98 Bloomfield ave., Newark
Casale, J. E. *f a* 1892 Daly ave.
Casamajor, M. pl
372 Greene ave., Bklyn.
Case, B. C. *p* 600 W. 122
Case, L. A. pl *519 W. 121*
Case, R. C. 3 b *Brooks*
Cassel, T. *gr t* 123 W. 111
Cassidy, F. 4 t *500 W. 122*
Cassidy, J. C. 3 *s* 503 W. 160
Cassasa, C. S. B. 4 *m*
46 East ave., L. I. City
Castell, G. O. 3 *l* 3456 Broadway
Castritsy, G. P. *ph* 230 W. 95
Catacouzinos, J. A. 3 *l* 453 W. 47
Cattell, E. p *421 W. 118*
Cattell, McK. *nm c* 421 W. 118
Catzen, B. H. 1 *c* 423 W. 118
Carelfied, G. R. 1 b *437 E. 58*

Cavanaugh, T. R. nm t
122 Fair, Paterson
Cawl, F. R. 2 *c*
1378 President, Bklyn.
Cawley, A. G. nm t *Whittier*
Cawston, A. H. 1 *c* Hartley
Celano, L. 3 *m* 319 E. 119
Celler, E. 3 *l*
838 Greene ave., Bklyn.
Cerow, G. A. 4 b 503 W. 175
Chafey, J. H. *phar* 510 W. 124
Chaffee, C. E. 4 t
Lowerre Summit, Yonkers
Chaim, H. I. 4 *t* 400 W. 124
Chamberlain, A. E. *pl* 600 W. 122
Chamberlain, N. L. 3 t *Sparkill*
Chamberlin, A. A. 3 t *416 W. 122*
Chan, C. Y. 1 *s* Hartley
Chan, Y. Y. 2 *c* Livingston
Chandler, C. P. 3 *m* Livingston
Chandler, H. 4 t *Whittier*
Chang, Y. J. pl *3 Gramercy Pk.*
Chapel, I. H. 3 t *Whittier*
Chapin, W. B., Jr. 2 *c* 232 W. 101
Chaplin, H. 3 *m* 231 W. 69
Chapman, P. A. *ph* Livingston
Charlton, C. C. 4 *m* 257 W. 84
Chase, C. H. 2 *c* Hartley
Chase, L. S. *gr t* Montclair
Chatfield, G. H. *gr t*
609 Kappock, Spuyten Duyvil
Chatfield, S. 3 t *87 St. Nicholas Pl.*
Chazal, P. M. *p* Hartley
Chazen, R. 1 *s*
755 Gates ave., Bklyn.
Cheatham, J. L. 3 *s* 522 W. 112
Cheesman, D. H. 3 b *3089 B'way*
Chen, C. H. 1 *c* Hartley
Chen, S. K. *pl* Hartley
Chen, T. H. *gr t* Hartley
Cheney, G. A. 1 *c* 633 W. 115
Chenoweth, I. S. *pl*
1354 Fulton ave.
Cherry, E. N. 2 b
1217 Ditmas ave., Bklyn.
Cherry, W. M. 1 *l* Livingston
Chidsey, H. R. *ph* 600 W. 122
Chien, H. T. *gr t* 420 W. 121
Child, A. M. gr t *Palisade*
Child, D. K. 2 b *611 W. 156*
Child, H. T. *f a*
209 Clinton, Bklyn.
Child, M. B. 3 t *Ridgefield Park*
Childs, C. C. *nm l* Livingston
Childs, E. L. 4 t *Whittier*
Childs, H. G. *gr t* 519 W. 122
Childs, S. H. 3 *s* 362 Riverside Dr.
Chilson, W. S. *gr t* Hartley
Chilton, O. 3 t *Whittier*
Chipkin, I. S. 3 *c* 519 E. 11
Chipman, H. E. H. 4 *m* 44 W. 44
Chow, C. S. *p* 416 W. 118
Chow, K. C. 3 *s* Hartley
Chrislip, A. E. *ph* 501 W. 123
Christensen, N. C., Jr., *p* 11 W. 126
Christianson, A. O. ph *511 W. 113*
Christianson, E. S. f a *511 W. 113*
Christie, C. I. 3 *c* 177 W. 95
Chu, C. H. *pl* Livingston
Chui, L. 1 *c* Livingston
Chun, Y. S. 2 *s* Hartley
Church, J. R. 1 *c* 400 W. 118
Church, R. C. 3 t *Whittier*
Cicker, G. N. 2 *m* 112 W. 80
Cilley, L. H. 4 t *200 Claremont ave.*
Civic, M. 3 *l* 21 W. 115
Claghorn, D. M. 1 *s*
Claghorn, J. L. 4 *s*
434 Riverside Drive
Claiborne, R. W. 1 *l* Hartley
Clancy, A. W. ph *3115 Broadway*
Clancy, E. M. 3 *s* 424 W. 119
Clapp, E. R. ph *142 E. 18*
Clark, A. M. p *416 W. 118*
Clark, A. M. 4 t *418 W. 118*
Clark, A. P. nm t
23 College ave., College Point
Clark, A. Y. 4 b *203 W. 85*
Clark, C. C. *p* Hartley
Clark, D. L. *ph* Livingston
Clark, E. B. 1 *c* 187 Keay, Bklyn.
Clark, E. H. p *Brooks*
Clark, H. E. *gr t* 600 W. 122
Clark, K. F. 1 *l*
405 Madison, Bklyn.
Clark, M. C. G. pl
30 Madison, Bklyn.
Clark, M. F. nm b *Brooks*
Clark, M. H. 4 t
234 Elmer, Westfield
Clark, M. H. 3 *m* *366 W. 57*
Clark, M. S. 2 b
17 Landscape ave., Yonkers
Clark, W. D. 1 *c* Hartley
Clark, W. E. 1 *l* 163 W. 73
Clark, W. E. 4 *t*
538 Maple, Richmond Hill
Clarke, E. L. *pl* 432 W. 124
Clarke, H. F. *nm l* Livingston
Clarke, M. A. ph *101 W. 77*
Clarke, M. I. nm t *94 Lawrence*
Clarke, P. H. 1 *m* 236 W. 76
Clarke, R. 3 b *Brooks*
Class, J. L. 2 *c* 400 W. 261

Clauss-Kirsten, M. ph
2136 Gleason ave., Unionport
Cleaves, N. E. 3 t Princess Bay, S. I.
Clemens, M. A. 3 *t* 5 W. 125
Cleveland, E. N. *nm s* 526 W. 124
Cleveland, M. 1 *m* 348 W. 57
Clifton, W. L. *pl* 515 W. 122
Clinch, H. T. *f a* 133 W. 121
Clinch, M. L. 2 b
161 E. Sidney ave., Mt. Vernon
Clingen, A. V. D. 2 b
39 Claremont ave.
Clinton, E. A. ph
342 Grand ave., Bklyn.
Clinton, L. W. nm t
21 Offord, Passaic
Close, B. W. *f a*
248 Hancock, Bklyn.
Cloud, C. B. 2 *s* 519 W. 121
Clough, A. N. *f a* B'way and 94
Cloyd, G. ph *99 Claremont ave.*
Clune, M. C. 4 t *Whittier*
Clyne, H. H. 4 *c* Hartley
Coad, R. G. 3 *l* 531 W. 135
Coates, A. A. 2 *c* 540 W. 113
Coates, A. P. 1 *l* Upper Montclair
Cobb, F. C. 2 *s* 598 W. 177
Cobb, P. B. *ph* B'way and 122
Cobb, W. V. pl *500 W. 122*
Cobden, P. E. 1 *s* Larchmont
Coblenz, A. *ph* 165 Floyd, Bklyn.
Cocco, M. A. 4 *s* 110 W. 123
Cochran, M. S. 4 t *Whittier*
Cochran, M. W. ph *Brooks*
Cody, T. H. 3 *l* 407 W. 117
Coe, M. S. 3 t *42 W. 52*
Coen, V. S. nm t *620 W. 116*
Coffer, S. C. 3 t *471 Lenox ave.*
Coffin, F. J. H. *pl* 175 Ninth ave.
Coffin, L. A., Jr. 4 *c* 156 W. 58
Cogan, L. G. 1 b *203 W. 120*
Cohee, O. J. *pl* 162 E. 7
Cohen, A. 4 *t*
164 Havemeyer, Bklyn.
Cohen, D. B. 3 *t*
332 Sackman, Bklyn.
Cohen, E. F. 3 *s* 253 W. 112
Cohen, G. L. 3 *l* 530 W. 144
Cohen, H. 1 *s* 322 Pulaski, Bklyn.
Cohen, J. G. 3 *l* 308 W. 113
Cohen, L. 3 b *73 W. 30, Bayonne*
Cohen, M. J. 2 *s* 132 W. 113
Cohen, P. 4 *t*
108 McKibben, Bklyn.
Cohen, R. S. 1 *l*
672 St. Nicholas ave.
Cohen, S. C. 2 *c* 50 St. Mark's Pl.
Cohen, S. M. *ph* 141 W. 142
Cohn, C. 2 b *296 Main st., Orange*
Cohn, C. I. 2 *c* 790 Riverside Dr.
Cohn, M. B., Jr. 1 *s*
214 Riverside Dr.
Cohn-McMaster, A. M. C. *ph*
Livingston
Cohn, R. P. sp b *1070 Madison*
Colas, N. 4 *s* 70 W. 68
Colburn, E. V. 4 t *416 W. 122*
Colby, E. 3 *c* 633 W. 115
Colby, G. K. 4 t *Whittier*
Cole, C. A. 3 *c* 540 W. 113
Cole, H. D. 2 *c* 140 W. 96
Cole, M. 3 t *Whittier*
Cole, R. F. gr t *Palisade*
Coleman, C. B. *pl* 501 W. 120
Coleman, C. L. 4 t
118 Archer ave., Mt. Vernon
Coleman, D. F. *gr t* Tottenville
Coleman, W. *p* 15–3 Woodside
Colla, C. 3 t *3603 Broadway*
Colletti, I. M. 1 *s* 26 E. 109
Colletti, J. 1 *c* 120 Elizabeth
Collica, J. D. C. 3 *m*
172 W. Houston
Collier, E. B. ph
282 De Kalb ave., Bklyn.
Collingwood, E. 3 t *Whittier*
Collins, J. H. nm t *407 W. 121*
Colp, R. 1 *m* 5 Charlton
Colquhoun, W. W. 2 *s* Hartley
Colton, W. A. 3 *m* 11 W. 126
Colver, F. B. 2 *l* Tenafly
Colvin, S. C. *gr t* 430 W. 118
Colvin, W. P. 1 *m* 503 W. 174
Combes, A. L. 3 *t* 400 W. 118
Comes, L. 3 b
151 Park, Hackensack
Comstock, C. R. 4 *m* Livingston
Condict, F. D. nm t *565 W. 139*
Condit, K. H., 3 *s*
86 S. Clinton, E. Orange
Condon, J. C. 4 t *Whittier*
Condon, K. F. 3 t *Whittier*
Congdon, M. J. 3 t *Whittier*
Conger, M. R. McC. pl
196 Columbia H'gts, Bklyn.
Conger, T. 4 t *51 N. 11, Newark*
Conkey, M. V. ph *391 West End ave.*
Conkey, O. F. 4 *m* Livingston
Conklin, A. M. 1 b *96–15, Bklyn.*
Conklin, C. S. 1 *m*
Connell, M. 4 t *431 W. 121*
Conner, B. F., Jr. 3 *s*
106 Barbey, Bklyn.
Connolly, J. F. 4 *t* 509 W. 135

Conrow, W. *nm t* 502 E. 58
Conroy, J. G. 2 *l*
277 Stratford Rd., Bklyn.
Conway, C. E. pl *416 W. 122*
Conway, J. A. 4 *c* 63 Halsey
Cook, D. nm t *Tarrytown*
Cook, E. C. ph *Whittier*
Cook, E. C. *gr t* 76 W. 103
Cook, E. H. 4 *s* Hartley
Cook, F. H. 3 t *1341–55, Bklyn.*
Cook, H. M. ph *380 Riverside Dr.*
Cook, H. P. 3 *s* 44 Morningside Dr.
Cook, K. M. gr t *Whittier*
Cook, M. M. 3 t *423 W. 118*
Cook, N. A. nm t *504 W. 112*
Cook, T. M. 4 t *606 W. 115*
Cook, T. M., 4 t *420 W. 121*
Cooke, M. M. 3 t *Whittier*
Cooley, M. E. 3 t *416 W. 122*
Coomoel, M. 4 t *Whittier*
Coope, G. F. 2 *s* 431 W. 117
Cooper, F. nm t *605 Hudson*
Cooper, F. B. *p* Livingston
Cooper, F. L. *pl* 600 W. 122
Cooper, F. S. 4 *m* 148 W. 58
Cooper, I. 3 t
Graham Court, 116 Seventh ave.
Cooper, I. J. 3 t
80 Addison ave., Rutherford
Cooper, I. S. 4 t *503 W. 121*
Cooper, L. M. 1 *c* 253–74, Bklyn.
Cooper, M., Jr., 3 *c*
987 Madison ave.
Coplin, M. ph *1253 Amsterdam ave.*
Coppock, G. L. pl *3 Gramercy Pk.*
Cordner, G. F. *nm f a*
68 Fairview ave., Jersey City
Cornbrooks, M. E. 4 t *Whittier*
Cornelissen, J. 2 *s*
739 Carroll, Bklyn.
Cornelius, C. L. *pl* Livingston
Cornell, L. E. 4 t *528 W. 123*
Cornish, H. R. *gr t*
709 E. 23, Paterson
Cornwall, H. F. 4 *s* Hartley
Corrigan, M. A. 2 *c*
1028 Jackson ave.
Corrigan, M. S. ph *52 W. 9*
Corry, R. T. 3 *m* 3703 Willett ave.
Corwin, F. M. 3 t *Whittier*
Corwin, H. E. 4 *c* Hartley
Corwin, M. E. 4 t *Whittier*
Coryell, N. G. 1 b *1414 Vyse ave.*
Coss, J. J. *ph* Hartley
Costello, C. H., Jr. 2 *s* Hartley
Cottrell, O. P. C., *phar*
Keyport
Coulson, R. E. 3 *l* Hartley
Coulter, C. B. 3 *m* 557 W. 124
Coulter, F. *nm t* 557 W. 124
Couron, W. L.
1532 Amsterdam ave
Coursen, H. P. 1 *s*
149 Roseville ave., Newark
Coursen, W. M. 2 *s*
149 Roseville ave., Newark
Courson, D. ph
158 Second ave., L. I. City
Courtice, W. N. *ph*
Union Theological Seminary
Courtney, A. W. *ph* 134 W. 11
Cousley, Mrs. E. T. 3 t *509 W. 121*
Covello, L. *ph* 447 E. 116
Covert, W. S. *gr t* Rockville Centre
Covey, P. B. 3 *s* 219 W. 125
Covvey, A. K. 3 *t* 95 Rivington
Cowan, J. H. 1 *c* 62 E. 130
Cowley, A. t *Whittier*
Cowlin, G. 3 t *90 Morningside Dr.*
Cox, A. B. ph. *417 W. 121*
Cox, F. F. 3 *m* 356 W. 57
Cox, G. B. *pl* 29 Vesey
Cox, L. 3 t *509 W. 121*
Cox, W. C. 3 *c* 295–15, Bklyn.
Coy, G. L. 3 t *503 W. 121*
Coy, G. V. 4 t *Whittier*
Coykendall, G. B. 1 *c* 633 W. 115
Coyle, M. B. T. 4 b *457 W. 123*
Craddock, C. E. 3 b *420 W. 121*
Craft, L. V. R. 2 *s* 920 Kelly
Cramer, E. B. 1 b *3099 B'way*
Cramp, A. P. 1 *s*
198 Midwood, Bklyn.
Crampton, W. D., Jr. 2 *c*
536 W. 114
Cranch, A. R. 1 b *1673–85, Bklyn.*
Crane, A. E. 3 t *Whittier*
Crane, A. L. 1 *c* Hartley
Crane, C. G. 4 *m*
73 Sherman ave., Newark
Crane, E. M. *phar* 201 W. 108
Crane, J. E. *ph*
137 Main, So. Amboy
Crane, M. R. 3 t *Whittier*
Crane, W. R. 4 *m* 360 W. 15
Cranor, K. T. 4 t *Speyer School*
Crater, J. F. 2 *l* Livingston
Crawford, J. F. 1 *s*
34 N. Parsons ave., Flushing
Creamer, W. A. 2 *s*
281 Winthrop, Bklyn.
Crecraft, E. W. *pl* Livingston
Creado, R. F. 3 *l* 616 W. 116
Crispell, R. B. 2 *l* Livingston

Cristy, E. nm t *607 W. 139*
Crockett, W. G. *phar* 40 W. 64
Cromwell, W. A., Jr. *f a*
80 Mamaroneck ave., White Plains
Cronan, F. J. 4 t *69 W. 104*
Cronenberg, C. W. 1 *c*
54 Mt. Vernon ave., Mt. Vernon
Crosby, E. 4 t *Whittier*
Crosby, H. M. 3 b *604 W. 146*
Crosby, P. S. 3 t *430 W. 119*
Crossman, P. F. *p*
1014 Broad, Newark
Crouze, A. P. *4 c* 3115 B'way
Crow, A. B. 3 *c* 604 W. 114
Crowell, G. 3 b
276 Maple, Perth Amboy
Crozier, W. A. *pl*
Union Theological Seminary
Cru, R. L. *ph* 90 Morningside Dr.
Cruden, G. 4 t
292 Garfield Pl., Bklyn.
Cullen, R. N. ph *3 Gramercy Pk.*
Culler, A. J. *ph*
Culman, F. 4 *c* 476 W. 143
Cummings, A. R. 4 *c*
193 Berkeley Pl.
Cummins, M. F. 3 t *203 E. 61*
Cunniffe, E. W. 1 b *340 E. 194*
Cunningham, F. L. 3 *l*
46 Hamilton Pl.
Cunningham, R. *pl* 175 Ninth ave
Curry, T. M., Jr. 1 *c* 245 W. 104
Curry, V. E. 3 *c* Hartley
Curtice, E. M. 2 b
428 Fulton, Jamaica
Curtis, C. L. K. 4 t *Whittier*
Curtis, M. 1 *l* Hastings-on-Hudson
Curtis, W. B. *pl* 175 Ninth ave.
Cusack, G. C. 4 b
611 Putnam ave., Bklyn.
Cushing, M. P. *ph* 419 W. 118
Custer, H. L. *gr t* 215 W. 105
Cuthbert, H. G. *gr t* 512 W. 122
Cutler, C. C. 3 t *Whittier*
Cutler, C. W., Jr. 4 *m* 135 W. 76

Daggett, W. P. *ph* 420 W. 121
Dahlgren, L. H. 4 t *503 W. 121*
Dahman, W. W. 2 *c* 540 W. 113
Dale, E. B. nm t
14 Elm Place, Nutley
Dale, J. ph *620 W. 116*
Dale, J. E. 2 b *566 Walton ave.*
Dalgleish, I. L. 2 b
9 Spring, Stamford
Dallaby, C. A. 1 *l*
Clarendon Hotel, Bklyn.
d'Amato, O. 2 *c* 510 E. 119
Dampman, S. B. 4 t *416 W. 122*
Damrosch, A. nm b *146 E. 61*
Dana, H. M. 3 b
62 Hudson Terrace, Tarrytown
Dana, I. B. 4 t *Whittier*
Danehy, C. C. 1 *s* 2576 Briggs ave.
Daniel, R. D. nm t *Whittier*
Daniel, W. W. ph *519 W. 121*
Danielson, L. C. 1 *c*
2135 Seventh ave.
Danzig, S. 2 *c* 500 W. 122
Danziger, C. S. *nm s* 4 E. 112
Darden, W. A. *ph* 523 W. 122
Dargan, M. *ph*
Union Theological Seminary
Darlington, G. S. B. 4 *c*
175 Ninth ave.
Darlington, H. V. B. *pl*
175 Ninth ave.
Dashiell, J. F. *ph* 507 W. 124
Daub, A. B. *phar* 539 E. 87
Daubon, A. D. nm t *500 W. 121*
d'Autremont, H. H. *nm l* Hartley
Davenport, F. A. 4 t *Whittier*
Davenport, H. T. 2 *l* 540 E. 76
David, W. F. 2 *l* 359 W. 117
Davidow, L. H. 2 *l* 55 W. 87
Davidowitz, H. S. *ph* 441 W. 124
Davidson, C. G. nm t *622 W. 114*
Davidson, L. H. 3 *l* 55 W. 87
Davidson, M. E. S. 4 t
31 Third, Weehawken
Davies, T. *ph*
242 Franklin ave., Hasbrouck Hts.
Davin, E. J. 4 *m* 117 W. 76
Davis, A. pl *Whittier*
Davis, A. G. 4 *c* 141 W. 76
Davis, D. D. *phar* 78 W. 68
Davis, E. R. 2 b *66 E. 86*
Davis, G. R. 3 *t* 503 W. 121
Davis, H. E. 4 t
100 Morningside ave., W.
Davis, J. A. *gr t* 420 W. 121
Davis, J. M. 3 *m* 356 W. 57
Davis, K. P. 4 t *Whittier*
Davis, L. L. nm t *Whittier*
Davis, M. A. 4 t *423 W. 118*
Davis, R. M. 3 b *301 W. 84*
Davis, S. C. 2 b *Whittier*
Davis, S. E. p *34 St. Nicholas Pl.*
Davis, W. H. *f a* 66 E. 86
Davis, W. L. gr t
1109 Amsterdam ave.
Dawkins, S. M. *pl* 419 W. 118
Dawson, G. M. 1 *c* Hartley
Day, A. L. 4 t *537 W. 121*

Deacon, E. M. 4 b *502 W. 143*
de Aguero, M. E., Jr. 4 *c* 294 W. 92
Deam, T. M. *pl* 600 W. 122
Dean, D. 1 b
Euclid Hall, B'way and 86
Dean, R. C. *p* 430 W. 118
Dearden, E. M. 1 b *125 E. 91*
de Boer, J. M. ph
41 Caryl ave., Yonkers
De Brown, R. nm t *Whittier*
Decker, A. S. ph *419 W. 121*
Decker, R. K. 1 b *607 W. 116*
De Cou, N. M. ph
158 Summit ave., Jersey City
Deecke, W. 3 t
493 Putnam ave., Bklyn.
Deffaa, G. C. *phar* Bergenfields
De Friece, F. W. 1 *l* Hartley
De Groot, M. B. 2 *l*
Delany, M. J. p *512 W. 179*
Delavina, F. V. 3 *l* Livingston
De Leon, S. *pl* 1487 Avenue A
de Lima, E. A. *4 t* *58 W. 87*
de Lima, M. F. 1 *s*
118 Montague, Bklyn.
de Liquori, A. J. *phar* 411 W. 115
De Luca, G. B. 3 *l* 701 E. 219
De Luce, O. S. 3 t *617 W. 144*
Demarest, B. 3 t *Spring Valley*
Demarest, T. F. 3 t *Whittier*
Demorest, W. J. 4 *s* 173 W. 93
Dempsey, F. 4 t 301 St. Nicholas ave.
Demuth, F. W. 2 *c* 204 W. 36
Dennehy, J. J. 1 *s* Rye
Denniston, H. P. 3 *m*
115 So. Elliott Pl., Bklyn.
Denniston, M. 4 t *430 W. 119*
Derby, J. L. 3 *l* 925 Park ave.
Derbyshire, A. J. 1 *c*
1907 Vyse ave.
Derpher, E. H. t *Whittier*
Deshel, M. C. *gr t* 646 E. 183
De Silver, A. 2 *l*
43 Pierrepont, Bklyn.
Desmond, F. nm t *Oradell*
Dessar, A. G. 3 b *238 W. 72*
Des Voignes, M. E., Mrs. 4 t Whittier
Deutsch, E. J. nm t *200 W. 86*
Deutsch, J. gr t *1319 Clay ave.*
De Veau, L. B., Jr. 1 *c*
675 West End ave.
Dewey, F. A. *pl* 2880 B'way
Dewey, R. M. 4 *t* 541 W. 123
Deyo, A. L. *ph* 503 W. 121
De Young, E. 1 b *449 E. 137*
Deysher, E. H. nm t *Whittier*
De Zeller ,M. C. nm *472 W. 22*

Diaz de Villalvilla, M. C. 3 b
536 W. 113
Dibble, W. E. *f a* Hartley
Dick, D. E. *f a* 512 W. 122
Dickey, F. M. 4 t *Whittier*
Dickey, G. L. 3 t *421 W. 120*
Dickie, D. P. 3 *c* 777 West End ave.
Dickie, F. E. 3 *s* Livingston
Dickinson, H. C. 1 *c* 614 W. 113
Dickinson, J. A. 1 *s* 403 W. 115
Dickinson, L. ph *Whittier*
Dickson, A. *ph* 131 W. 116
Dickson, W. S. 4 *s* 90 West
Diehl, M. V. 3 b
631 Park ave., West N. Y., N. J.
Dills, D. R. *nm c* 344 W. 36
Dimiceli, M. *phar* 215 E. 76
Dimmick, W. W. *pl* Livingston
Dineen, P. A. L. 2 *m* 435 W. 34
Dingman, N. McL. 4 *c* 512 W. 122
Dinkelspiel, L. 3 *c* 46 W. 89
Dinsmore, A. L. 1 *c* 425 W. 118
di Palma, S. 3 *m* 329 Seventh ave.
Di Stasio, J. 3 *s* 390 Broome
Ditman, M. S. f a
Hillside ave., Englewood
Dittmer, J. C. 2 *s*
286 Park Pl., Bklyn.
Djevad, E. 4 *c* Livingston
Dobbin, B. H. 4 *t* Port Chester
Dodd, R. C. 1 *m* Glen Ridge
Dodge, B. *pl*
Union Theological Seminary
Dodge, B. O. *p* 528 W. 123
Dodge, F. B. nm t
198 Grand ave., Englewood
Dodge, M. 4 t
185 Berkeley Pl., Bklyn.
Doherty, M. 3 t *110 W. 139*
Dold, D. M. 1 *m*
River Crest Sanitarium, Astoria
Dolowitz, A. 4 *s* 123 E. 95
Donaldson, K. H. 4 *s* 531 W. 113
Donnan, D. W. nm t *Whittier*
Donnell, J. C. *pl* 175 Ninth ave.
Donnelly, A. M. 4 t *Whittier*
Donnelly, R. V. 1 *s* 105 W. 84
Donnocker, D. M. 3 t *Northport*
Donohue, J. J. 3 *t*
270 Alexander ave.
Doody, M. F. 1 b *108 W. 83*
Dorfman, D. W. *f a* 69 W. 113
Dotey, A. I. *gr t*
195 Claremont ave.
Doty, E. M. 4 b *553 W. 141*
Doty, F. 4 t *Whittier*
Doty, G. 3 t *Wyoming, N. J.*

Dougall, J. B. 3 *t*
Whaley, Freeport
Douglas, I. P. 3 b *Brooks*
Douglas, W. B. *gr t* Livingston
Douglass, C. Y. 4 *m*
382 Vanderbilt ave., Bklyn.
Dowd, H. L. 3 *m* 231 W. 69
Dowling, N. T. 3 *l* 531 W. 113
Downes, E. H. 3 *c*
173 Rutland Rd., Bklyn.
Downes, H. B. 2 b
526 Van Cortlandt Park ave., Yonkers
Downing, G. S. 2 *s* 619 W. 113
Downs, B. 3 b
75 Fairview ave., Jersey City
Doyle, W. L. H. 2 *s* Earl Hall
Draper, C. W. ph *Whittier*
Draper, O. H. *pl* Madison, N. J.
Drayton, A. H. 3 t
35 Claremont ave.
Drechsler, E. 1 *c* 295–7
Dreisbach, P. W. 2 *c* Weehawken
Dresher, H. W. 2 *c* 352 W. 124
Dressel, H. Jr. *gr t*
Drevenstedt, A. 4 t *Whittier*
Dreyfus, J. nm t *64 W. 82*
Driehaus, I. W. *pl* Livingston
Drucker, S. 2 *s* 688 Eighth ave.
Drudy, K. M. t
350 Ave. C, Bayonne
Dub, G. D. 4 *s* 454 E. 141
Duboff, W. S. 4 *m*
646 DeKalb ave., Bklyn.
Du Bois, A. M. 3 *c* 119 E. 57
Du Bois, H. J. nm t *119 E. 57*
Du Bois, M. nm b *47 W. 76*
Du Bois, R. O. 1 *c* 119 E. 57
Du Bois, S. E. 3 *t* 2066 Fifth ave.
Dudley, A. J. 4 t *500 W. 122*
Dudley, M. A. 4 t *Bellevue Hospital*
Duffie, A. D. 3 *s* 429 W. 117
Dugan, W. F. 3 *s* 540 W. 113
Dugdale, A. H. 3 *m* 561 W. 144
Duggan, J. E. 2 *l* Livingston
Duncan, J. D. 1 *c* 229 W. 97
Duncan, M. E. ph
58 Monroe, Bklyn.
Duncan, W. Y. *pl* 600 W. 122
Dunkin, D. nm t *601 W. 149*
Dunn, H. A. 3 t *Whittier*
Dunn, W. E. *pl* 500 W. 114
Dunne, F. 4 t *163 W. 165*
Dunnet, C. 1 b
E. 89th & Farragut Rd., Bklyn.
Dunseath, S. G. *pl* 600 W. 122
Dupre, W. K., Jr. 3 *l* 353 W. 119
Durkee, M. M. 3 *s*
512 Manhattan ave.
Durkin, E. L. 3 *l* 609 W. 114
Durstine, F. S. pl 67 Riverside Drive
Duryea, M. S. 3 t *519 W. 121*
Dushkin, A. M. *gr t* 87 E. 107
Dustin, G. O. L. 3 t *503 W. 124*
Dwight, B. H. 4 *c* Hartley
Dwight, M. 1 *l* Convent
Dwight, M. E. ph
31 Mt. Morris Park, W.
Dwyer, H. E. 2 b *456 W. 153*
Dwyer, W. W. 1 *c* 100 E. 54
Dye, H. B. *f a*
84 Montclair ave., Newark
Dzung, K. Y. 1 *c* Hartley

Earle, D. 1 b *Hastings-on-Hudson*
Eastman, F. W. 3 *m* 414 W. 58
Eastman, M. M. ph *504 W. 143*
Eastman, S. M. *pl* 414 W. 118
Eayrs, E. K. gr t *Whittier*
Ebeling, E. A. 3 t
56 Windsor Place, Bklyn.
Ebeling, W. B. 4 *c*
56 Windsor Place, Bklyn.
Ebina, K. *pl* 60 Wall
Eccles, O. L. pl *416 W. 122*
Eckert, J. V. nm b
300 Verona ave., Newark
Eddison, W. B. 4 *s* Hartley
Edebohls, F. E. 1 *s* 331 W. 101
Edell, A. C. 3 b *527 W. 121*
Edgerton, A. H. 3 *t* Livingston
Edinger, E. H. 1 *c*
387 Jackson ave., Jersey City
Edsall, M. W. nm t *Whittier*
Edwards, B. B. 2 *m* 418 W. 58
Edwards, F. M. 4 t *Whittier*
Edwards, G. W. *pl*
61 Russell, S. Jamaica
Edwards, J. B. 1 *s*
236 Linden ave., Flatbush
Effler, L. R. 3 *m* 156 E. 80
Egan, H. M. gr t *909 Forest ave.*
Egan, J. T. 2 *f a* 431 W. 117
Egan, R. F. ph *410 W. 115*
Egbert, L. D. 2 *c* 425 W. 146
Egerton, F. N., Jr. *p* 522 W. 123
Eggleston, C. E. gr t *Elmhurst*
Eglee, E. P. 3 *m*
800 Broadway, Flushing
Ehrlich, J. 2 *s* 1281 Third ave.
Eichenberg, M. A. 1 *s* 120 W. 112
Eichhorn, L. M. 2 *m*
756 Hewitt Pl.

Eichmann, M. 2 *l*
370 West, W. Hoboken
Eichrodt, C. W. 2 *s*
126 Claremont ave.
Eifort, L. M. 3 t *421 W. 118*
Eilbeck, F. A. M. 3 t *524 W. 122*
Eilbeck, W. M. 4 t *524 W. 122*
Eisenberg, H. L. 3 *s*
600 Riverside Drive
Eisner, M. N. 1 *c* 113 E. 109
Eklund, E. G. *gr t* Hartley
Elder, J. C. *pl* 76 W. 105
Elder, R. D. 1 *l* Hartley
Eldridge, S. *pl* 244 E. 105
Elias, N. M. 1 *s* 423 E.158
Ellenwood, J. L. 3 *c*
Ellinger, G. J. nm b *19 E. 61*
Ellinger, L. J. 1 *c* 19 E. 61
Elliott, D. F. 3 *l* Livingston
Ellis, C. C. *gr t* Huntington, Pa.
Ellison, E. B. 3 t *342 Willis ave.*
Ellisson, E. J. ph
60 Prospect Pl., Bklyn.
Elmendorf, A. *pl*
145 Arlington ave., Jersey City
Elmendorf, K. 2 b *68 W. 51*
Elsasser, F. R. 3 *l* 302 W. 109
Elsasser, H. W. 4 *c* 302 W. 109
Elson, C. *ph*
161–3 Vernon ave. Bklyn.
Elstein, C. 1 *c*
441 Sutter ave., Bklyn.
Elwyn, A. 1 *c*
Museum Natural History
Ely, D. J. 2 *l* 52 E. 55
Emanuel, M. ph 1082 Anderson ave.
Emerick, B. I. 1 *c* Ardsley
Emerson, F. 4 t
515 Central ave., E. Orange
Emerson, M. G. nm b
955 Madison ave.
Emerson, N. M. 3 b
123 Gates ave., Bklyn.
Emin, A. *pl* 401 W. 118
Emmerich, W. M. *nm c* 201 W. 117
Emmert, J. B. 3 *s* Livingston
Emmons, M. 3 b *25 W. 73*
Emuson, H. B. 3 *l* Livingston
Enders, H. C. *p* Cooper Union
Engel, G. 3 *c* 623 E. 6
Engel, S. 1 b *524–44, Bklyn.*
Englebardt, I. J. 2 *s* 957 Fox
Engler, M. L. 1 b
2293 Sedgwick ave.
English, L. 3 t *Hastings-on-Hudson*
English, W. 4 *t* Hartley
Ensign, W. P. 1 *c* 179 Emerson Pl.
Entelmann, J. H. 4 *s*
333 Alexander ave.
Enteman, W. F. *gr t*
15 Fairmount Ter., Jersey City
Epstein, A. 3 *l*
792 Greene ave., Bklyn.
Epstein, L. M. *ph* 441 W. 124
Epstein, M. 3 *l* 931 St. Johns ave.
Epstein, M. L. 4 *t* 1245–41, Bklyn.
Erdman, A. B. nm t *401 W. 118*
Erhard, Z. 1 *s* 2407 Seventh ave.
Ernst, F. *gr t* 1382 Plimpton ave.
Ernst, H. 1 *s*
174 Central ave., E. Orange
Ernst, M. 3 *s* 152 W. 122
Erpf-Lefkovics, T. A. 2 *m* 301 E. 10
Erskine, R. 1 b *609 W. 115*
Erskine, R. S. 2 *l* 609 W. 115
Ervin, W. E. *gr t*
100 Morningside Drive
Erwin, E. J. *ph* Livingston
Esdale, J. 1 *l* 5 W. 104
Eskolsky, M. J. 2 *c*
347 Beekman ave
Esser, A. E. 1 *s*
220 Woodworth ave., Yonkers
Essig, F. T. *f a* Livingston
Estrin, H. J. 3 *m* 1265–53
Eubanks, C. M. *nm l* Livingston
Eustis, M. gr t *1985 Sedgwick ave.*
Evans, A. B. 4 b *476 W. 143*
Evans, A. L. 1 *l* 414 W. 118
Evans, C. S. 2 *l*
382 Riverdale ave., Yonkers
Evans, E. S., Mrs. 3 t *4305 B'way*
Evans, G. D. 1 *c* Scarsdale
Evans, H. W. 4 *s* 3089 B'way
Evans, I. 4 t *505 W. 122*
Evans, I. L. 3 t *35 E. 67*
Evans, L. A. 2 *c* 130 W. 123
Evans, M. E. 4 t *421 W. 121*
Evans, M. E. 3 t *61 W. 104*
Evans, M. N. 1 b
189 North B'way, Yonkers
Evans, R. D. 1 b *3089 B'way*
Evans, W. B. 3 *t* Livingston
Everett, A. K. sp b
"Lorraine," 45 & Fifth ave.
Everley, H. E. 3 *t* 430 W. 118
Exstein, M. W. 2 *c* 500 W. 122
Eynon, W. C. 1 *s* 423 E. 136

Faas, C. T. 4 *c* 420 W. 119
Fadie, I. 2 *m*
187 Atlantic ave., Bklyn.
Fagan, J. F. 1 *s* 143 W. 95
Failla, G. 1 *s* 350 E. 33

Fairbairn, R. A. 4 *c* 531 W. 113
Fairbairn, R. L. 3 *s* 531 W. 113
Fairchild, C. W. pl
72 Columbia H'ghts, Bklyn.
Fairchild, E. M. gr t
335 S. Second ave., Mt. Vernon
Fairchild, M. B. nm t
153 Fourth ave., East Orange
Fairfield, M. B. t
153 Fourth ave., E. Orange
Fales, DeC. 1 *l* 105 E. 72
Fallon, J. M. 1 *c* Mamaroneck
Fallon, P. P. 2 *l* 432 W. 124
Fanning, E. F. *f a* 4 Convent Hill
Fansler, H. E. ph *407 W. 117*
Farkas, L. 2 *l* Livingston
Farmer, Mrs. E. 4 t *537 W. 123*
Farmer, R. L. 4 t *Whittier*
Farnam, T. 3 *m* 348 W. 57
Farnsworth, J. A. 2 *l* 537 W. 121
Farr, H. B. 2 *l* 14 W. 10
Farrell, C. D. 3 t
84 Easterbrook ave., Rahway
Farrell, H. J. 2 *c*
160 Reid ave., Bklyn.
Farrell, H. W. nm t *70 W. 95*
Farrell, T. M. 3 t *106 E. 116*
Fash, M. K. nm t *548 W. 164*
Faulkner, C. S. 3 *m* 346 W. 57
Fausler, D. S. *ph* 407 W. 117
Fay, H. G. *gr t* 601 W. 164
Fay, M. J. 1 *l*
143 Hawthorne ave., Yonkers
Fay, T. Y. 1 *c* 144 Winthrop, Bklyn.
Federman, S. 3 *s* 208 W. 84
Fee, J. A., Jr. 1 *l*
Feeley, V. E. 3 b
586 City Island ave., City Island
Feely, C. 4 t
Fein, J. 1 *c*
236 Christopher ave., Bklyn.
Feinberg, C. 1 *c* 310 E. 79
Feinberg, M. M. 3 *m* 24 W. 113
Feingold, J. *ph* 121 W. 114
Feinsod, E. 4 *c* 60 Eldridge
Felbel, F. J. 2 *l* Hotel Narragansett
Felch, E. L. 4 b *52 W. 105*
Feleky, A. nm t *508 W. 114*
Felsen, J. F. 1 *m* 136 W. 117
Felton, R. A. *pl* 600 W. 122
Fennelly, E. 3 t *Whittier*
Ferber, J. 1 *c* 230 E. 3
Ferguson, F. P. 2 *l* Jamaica, L. I.
Ferguson, J. 2 b *Jamaica*
Fern, I. W. 4 *t*
668 Sutter ave., Bklyn.
Fern, S. S. 1 *c* 10 First, Elizabeth
Fernandez, G. L. ph *174 W. 89*
Ferreira, A. V. 2 *l* 550 W. 114
Ferrie, M. E. 3 t *2 St. Nicholas Pl.*
Ferris, E. M. 4 t *Whittier*
Fetterly, C. A. *ph* Rutherford
Fettke, C. R. *p* Livingston
Fewell, L. 3 t *519 W. 121*
Feuchtwanger, L. A. nm b *6 W. 70*
Fichandler, A. *gr t* 134 E. 101
Fichter, W. L. 2 *c* 17 W. 100
Fickett, H. L. 2 *s* 420 W. 119
Field, H. A. 3 t *511 W. 122*
Field, H. C. 3 *l* 438 W. 116
Fiero, M. L. 4 t *Whittier*
Fifield, H. A. pl *421 W. 121*
Fike, T. R. V. 3 *c* 152 W. 118
Fimmen, E. A. 1 *l* 501 W. 121
Findlay, E. H. 3 *s* 531 W. 113
Findley, E. T. 2 *l*
233 N. Seventh, Newark
Fine, N. 2 *c* 236 Christopher ave.
Fink, A. A. 2 b *140 W. 69*
Fink, B. 1 b
40 De Kalb ave., White Plains
Fink, E. H. 1 *c*
40 De Kalb ave., White Plains
Finlayson, A. J. gr t *619 W. 136*
Finlayson, J. D. *pl* 600 W. 122
Finlayson, F. L. 4 *c* 102 W. 84
Finley, C. J. 4 *s* 501 W. 138
Finnie, A. P. 3 t *227 E. 50*
Fisbeck, F. C. 3 t *Ridgefield Park*
Fischel, R. V. 3 b *118 E. 93*
Fischer, E. L. 1 b *229 W. 90*
Fischer, G. M. 3 b *138 E. 157*
Fish, G. D. 3 *s* 119 W. 92
Fishel, J. C. 1 *s* 457–13, Bklyn.
Fisher, E. E. *f a* 633 W. 115
Fisher, H. gr t *447 West End ave.*
Fisher, H. L. 2 *c* Hartley
Fisher, J. C. 3 *m* 418 W. 58
Fisher, J. E., Jr. 2 *s* 34 W. 76
Fisher, L. A. ph *419 W. 118*
Fisher, L. G. 4 *m* 27 W. 123
Fisher, L. M. gr t *41 E. 70*
Fisher, S. 2 *s* 15 Thames, Bklyn.
Fishgrund, H. 2 *s* 407 E. 52
Fisk, B. K. 3 *l* Hartley
Fisk, D. M. *p* Hartley
Fisk, S. E. 3 t *Whittier*
Fiske, F. L. 3 t *27 W. 97*
Fitch, D. M. 1 b
44 Woolsey, Astoria
Fitz, L. 4 b *Brooks*
Fitzgerald, A. B. *pl* Dover
Fitz-Gerald, H. B. 3 b *Brooks*
Flanigan, R. p *415 W. 118*

Flarida, E. M. t *519 W. 121*
Fleck, H. D. 3 *c* 304 W. 139
Fleer, F. A. W. 1 b
301 W. Lincoln ave., Mt. Vernon
Fleischer, E. M. *gr t*
98 Raymond, Bklyn.
Fleischman, D. E. 3 b *303 W. 107*
Fleisher, A. *pl* 419 W. 118
Fleming, E. J. 3 b *544 W. 157*
Fleming, I. M. 3 t
Fletcher, G. B. 4 t *Whittier*
Fletcher, K. O. ph *Whittier*
Fletcher, P. ph *101 E. 75*
Flett, R. L. *phar*
Atlantic Highlands
Flint, M. B. 1 b *55 Cliff ave., Yonkers*
Flouton, A. B. 3 *l* Hartley
Flower, W. P. *nm c* 419 W. 115
Focht, M. ph *54 Morningside, W.*
Foerster, W. F. L. 1 *c*
926 Madison ave.
Fogarty, J. *f a* Hartley
Foland, H. A. 3 b *511 Hudson*
Foley, M. M. 1 b *Great Neck, L. I.*
Folkoff, M. C. 2 *c* 546 Wendover ave.
Folwell, E. A. ph *Whittier*
Fondiller, R. 2 *l* 1133 B'way
Foote, A. W. ph *Brooks*
Foote, F. W. 2 *s* 616 W. 113
Foote, J. P. *pl* 64 Doscher, Bklyn.
Foote, J. W. 3 *c* 320 W. 111
Forbes, I. B. 3 t *Whittier*
Forbes, R. C. 3 t *Whittier*
Ford, R. H. 2 *c* White Plains
Fore, J. A., Jr. *f a* Livingston
Forest, K. nm t *952 Eighth ave.*
Forster, W. W. 4 *c*
Park Hill, Yonkers
Forsyth, G. H. pl
1115 Amsterdam ave.
Forsyth, R. K. *pl*
1115 Amsterdam ave.
Forsythe, R. S. *ph* Livingston
Fort, C. H. G. *pl*
Union Theological Seminary
Fossas, E. J. 4 *s* 524 W. 124
Foster, D. P. *f a* 417 W. 120
Foster, J. T. 2 *s* 107 Duncan ave.
Foster, S. P. pl
811 Ocean ave., Bklyn.
Foulk, T. B. 1 *l* Livingston
Fowler, D. F. 3 *c*
440 Riverside Drive
Fowler, F. D. 1 *c* Hartley
Fox, D. R. *pl* 633 W. 115
Fox, E. B. 2 b *581 W. 161*
Fox, J. H. 4 t *Whittier*
Fox, K. N. 1 b *505 W. 112*
Fox, L. 1 b *Brooks*
Fox, V. L. 4 t
808 Central ave., Plainfield
Fox, W. V. 2 *s* 20th, Flushing
Frank, E. H. 3 t *138 W. 78*
Frank, J. *gr t* 1976 Belmont ave.
Frank, L. K. 4 *c*
1090 Amsterdam ave.
Frank, M. 2 *l* 506 W. 122
Frank, M. M. ph *140 W. 93*
Frank, R. nm t *324 E. 79*
Frank, V. D. 3 *c* 1980 Seventh ave.
Franke, C. E. ph *552 W. 173*
Franke, E. E. nm t *Bound Brook*
Frankel, S. 1 *s* 1923 Daly ave.
Franklin, A. M. ph *430 W. 119*
Franklin, E. 3 b
32 Kenmore Pl., Bklyn.
Franklin, I. H. 4 *m*
193 Palisade ave., Jersey City
Franklin, M. ph
193 Palisade ave., Jersey City
Franklin, M. L. 3 b
44 Elmhurst ave., Elmhurst
Franklin, V. 4 t *Whittier*
Franklin, W. G. 4 *t* 363 W. 123
Fraser, L. 2 *l* 627 W. 113
Frazee, J. C. *p* 541 W. 124
Frear, I. L. 3 b *Whittier*
Frech, R. H. 2 *c* Teanack, N. J.
Fredman, S. *ph* 520 W. 122
Freeburg, V. O. *ph* 419 W. 115
Freehof, M. E. 2 *f a*
620 Carlton ave., Bklyn.
Freeman, H. W. 4 t
25 Douglas rd., Glen Ridge
Freer, F. H. 4 t *430 W. 119*
Frees, H. J. *f a* 366 E. 156
Freidenrich, E. ph *286 W. 97*
French, C. E., Jr. *nm c* Hartley
French, C. T. A. *pl* 195 W. 134
French, H. J. 1 *s* 252 W. 105
French, L. G. 3 t *405 W. 118*
French, L. H. nm t *Whittier*
Frenchs, E. V. 3 *l* Tottenville, S. I.
Frendberg, I. C. *f a* 524 W. 123
Frerichs, H. M. D. *pl*
418 St. Nicholas ave.
Freudenfels, E. *f a* 131 E. 86
Freudenthal, R. F. 3 b
1003 Madison ave.
Freund, H. H. 2 *m* 311 W. 81
Freygang, G. G. *p*
125 Park ave., Union
Fried, H. B. 3 *t* 329 E. 79
Frieder, E. 2 b *Brooks*

Friedman, H. 1 b *18 E 92*
Friedman, W. 2 *s* 485 E. 140
Friedman, W. 1 *m* 7 Avenue B
Friedmann, H. *p* 517 E. 9, Bklyn
Friedrich, C. H. S. 1 *c* 335 E. 52
Friedrich, P. E. 1 *s*
2400 Bathgate ave.
Friend, E. V. 2 b *62 W. 124*
Fries, C. C. 1 b *9 W. 82*
Fries, J. F. 2 *c*
338a Monroe, Bklyn.
Friou, G. 3 *c* 498 State, Bklyn.
Fritts, F. 2 *l* Hartley
Froelich, C. L. 1 b
436 Throop ave., Bklyn.
Frommer, S. A. B. 1 *c* 44 W. 117
Frost, B. R. 1 *l*
805 Greene ave., Bklyn.
Fruchtman, F. 3 *m*
162 Maujer, Bklyn.
Fueslein, V. gr t *888 E. 176*
Fugette, G. H. nm b *622 W. 113*
Fuhrer, O. A. 1 *s* 333 E. 94
Fujioka, Y. *pl* 1008 Eighth ave.
Fuller, A. 1 b
150 Palisade ave., Jersey City
Fuller, E. M. 2 *l* Freeport
Fuller, R. B. 1 *s* Hartley
Fullerton, H. S., Jr. 3 *s* Hartley
Fullgraff, M. A. 3 t
65 E. Tremont ave.
Fulton, J. D. 3 t *Whittier*
Funk, J. C. *gr t* 520 W. 123
Furness, C. C. 2 *m*
Hotel Carlton, B'way & 54
Furstenwalde, H. C. 2 *s* 65 E. 53
Fusfeld, I. S. 1 *c* 106 Gerry, Bklyn.

Gaddis, C. J. 4 t *362 Riverside Dr.*
Gaffney, F. H. 3 t *Whittier*
Gage, L. R. 3 t *Whittier*
Gahagan, A. J. 3 *c*
87 St. Nicholas Pl.
Gainsborg, M. M. P. 4 t
80 Edgecomb ave.
Gaither, J. 1 b *523 Fifth, Bklyn.*
Galinger, G. W. 2 *c*
817 West End ave.
Galvin, K. M. 3 t *430 W. 118*
Galvin, W. A. 2 *l* 503 W. 173
Gamble, R. A. *nm l*
Thompson Pl., Larchmont
Gamrin, E. 2 *m* 128½ Monroe
Gans, P. 3 b *Brooks*
Garabedian, H. L. *ph* 600 W. 122
Garabedian, M. D. 4 *s* 501 W. 121
Garcia, F. J. 3 *l* 307 Macon, Bklyn.
Gardner, E. A. 2 b *Nyack*
Gardner, E. M. 1 *s*
464 Greene ave., Bklyn.
Gardner, F. S. 3 *s* 429 W. 117
Garrard, W. 2 *l* Livingston
Garrett, C. L. 4 t *512 W. 122*
Garrison, H. M. 1 *s*
84 Highland ave., Yonkers
Garrison, M. 3 t *500 W. 121*
Garry, L. S. 1 *c* 435 W. 117
Garvey, L. F. 3 t *15 W. 64*
Gatch, N. B. 3 *s* Hartley
Gates, F. W. 2 b
222 Percy, Flushing
Gates, W. J. 1 *c* 361 W. 123
Gath, B. M. 4 t *Whittier*
Gatliff, E. M. *nm l* 431 W. 117
Gaukrodger, E. 1 b
420 Marlborough Rd., Bklyn.
Gaul, W. H. 3 *m* Hartley
Gaunt, J. L. 4 *t* 500 W. 122
Gavin, H. p *28 W. 97*
Gaylord, A. M. 3 t
90 Morningside Dr.
Geary, H. E. 4 t *Whittier*
Geer, E. E. 4 t *534 W. 124*
Geer, F. H. 2 *c* 60 W. 84
Geer, H. ph *50 Pineapple, Bklyn.*
Geiger, H. R. 4 *s* 235 W. 102
Geiger, J. C. 2 *s*
Summerfield ave., Far Rockaway
Gelvin, M. L. 3 t *Whittier*
Genin, M. J. 4 t *Atlantic Highlands*
Genscher, C. *f a* 56 W. 54
Genung, G. R. 3 *s* 124 W. 71
George, H. L. 2 *s* 14 W. 101
George, N. F. 3 *l* 81 E. 55
George, R. J. 2 *l* 604 W. 112
Gerrish, W. C. *pl* Livingston
Gershon, V. 2 *s* 243 E. Broadway
Gerson, B. F. 2 *c* 403 W. 115
Gerstein, S. R. 1 *l*
468 Monroe, Bklyn.
Gerstle, C. E. nm t *330 W. 95*
Gerstle, H. S. 4 *c* 2109 Broadway
Gettler, A. O. *p* 338 E. 26
Ghering, E. 3 t *503 W. 121*
Gianella, P. 2 *l* 608–5, Bklyn.
Gibbons, M. E. 3 t *400 W. 118*
Gibbons, W. C. ph *Whittier*
Gibbs, E. S., Mrs. nm t
8 Dusenbury Pl., White Plains
Gibbs, L. G. 3 t *523 W.121*
Gibbs, W. F. 2 *l*
Marseilles, 103 & B'way
Gibson, C. C. *p*
Union Theological Seminary

Gibson, C. R. C. 1 *c* 608 W. 113
Gibson, H. H. *ph* 420 W. 119
Gibson, L. W. 3 *l* 320 W. 83
Giden, A. A. *gr t* 89 Pitt
Giegerich, L. A. 1 *l*
Riverdale-on-Hudson
Gignoux, E. M. *p* Great Neck
Gilbert, E. H., Jr. 1 *c*
17 Cypress ave., Flushing
Gilbert, F. 2 *s*
17 Cypress ave., Flushing
Gilbert, G. pl 209 Clinton, Bklyn.
Gilbert, K. H. 4 t 2336 Loring Pl.
Gilbert, T. W. *gr t* 155 North
Gildersleeve, J. A. 4 *m* Livingston
Gildersleeve, N. B. *ph*
37 Downing, Bklyn.
Giliberti, V. 3 *m*
Montross ave., Rutherford
Gilleaudeau, H. C. 1 b Brooks
Gillespie, J. E. *pl*
Gillette, E. I. 3 t 519 W. 121
Gilliland, F. K. 3 t Whittier
Gillson, H. V. 2 *m*
21 Lee Pl., Paterson
Gilman, C. 1 *c* Hartley
Gilmore, F. V. pl 668 Riverside Dr.
Giltner, E. E. *gr t* 418 W. 118
Ginsberg, F. 3 *s* 965 Grant ave.
Ginsberg, I. 1 *c* 965 Grant ave.
Ginsburg, B. *phar* 1735 Victor
Girdner, P. M. 3 b 47 W. 71
Giroux, L. M. *f a* 11 W. 81
Githens, T. F. 3 *s*
366 St. Nicholas ave.
Gitlow, S. 4 *m* 104 E. 109
Given, A. 1 t Dumont
Gladstein, J. 1 *s* 74 Willett
Glass, I. E. 4 t 501 W. 120
Glass, M. ph 420 W. 119
Glassford, J. 4 *s*
38 Jefferson ave., Jersey City
Gleason, D. S. nm t
27 Monroe Pl., Bklyn.
Gleason, S. 3 b
1215 Glenwood Rd., Bklyn.
Gleich, M. 4 *t* 81 Sheriff
Glenn, I. L. 3 b 365 Edgecombe ave.
Gless, M. L. 2 b 574 High, Newark
Glimm, W. F., Jr. 1 *s*
155 Clinton ave., Jersey City
Glock, A. R. 3 *s*
533 Eighth ave., L. I. C.
Glover, C. S. 3 *c* 3 Adrian ave.
Glover, D. C. 3 *l*
St. Anthony Hall, Riverside Dr. & 116
Glover, H. M. 3 t 412 Ninth ave.
Gluck, E. L. 2 *l* 1041 Madison ave.
Goddard, A. H. 3 *l* Livingston
Goddard, N. 3 t Morningside Dr.
Goddard, R. G. *f a* Hartley
Godfrey, E. B., Mrs. 4 t
100 Morningside Dr.
Godfrey, V. M. 4 t 91 Chambers
Goede, E. B. 2 b 528 W. 114
Gold, B. nm t Hawthorne
Goldberger, M. L. *nm l* Hartley
Golden, T. 4 *s* 733 Dawson
Goldenberg, G. 2 *c* 159 Clinton
Goldfarb, I. *nm c*
389 Clinton, Bklyn.
Goldfinger, L. 4 *t* 194 Brown Pl.
Goldman, A. G. ph 132 E. 70
Goldman, H. *f a* 83 St. Nicholas Pl.
Goldman, H. L. 3 b 413 W. 147
Goldman, P. 2 *s*
100 Morningside Drive
Goldman, S. 4 *m* 240 Hart, Bklyn.
Goldman, J. nm t
100 Morningside ave., W.
Goldsmith, B. pl
68 Cambridge Pl., Bklyn.
Goldsmith, E. M. gr t Whittier
Goldsmith, H. 3 *t* 1172–50, Bklyn.
Goldstein, J. G. 1 *s* 419 E. 73
Goldstein, R. 3 b 54 E. 108
Goldstein, W. M. 2 *s*
296 Central Pk., W.
Goldstien, D. 3 *s* Hartley
Goldstone, E. H. G. 1 b 2 W. 89
Goldstone, J. 1 *m* 1126 Park ave.
Goldstone, M. C. 3 t 1126 Park ave.
Goll, B. C. 3 t
25 Pulaski, Bklyn.
Gómez, G. 4 *t* 526 W. 123
Gomprecht, E. 3 t 250 W. 99
Gooch, E. P. 1 *s* 448 Riverside Dr.
Goodacre, C. M. 1 *s*
39 Hamilton Ter.
Goodhart, H. pl 21 W. 81
Goodhue, F. 1 *l* 157 E. 34
Goodman, H. 1 *c* 141 W. 10
Goodman, I. 1 *c*
1416 Pitkin ave., Bklyn.
Goodman, S. *phar* 117 W. 119
Goodman, S. L. 3 *l*
218 St. Johns Pl., Bklyn.
Goodnow, D. F. 3 *l*
46 Riverside Drive
Goodrich, H. B. *p* Livingston
Goodspeed, G. C. pl
61 Pierrepont, Bklyn.
Goodstein, P. 1 *c* 26 Lenox ave.

Goodwin, E. L. pl *415 W. 115*
Goodwin, P. L. *f a* 11 W. 54
Goodwin, T. A. gr t *274 W. 132*
Goodwin, W. C. 1 *c* 328 W. 22
Goold, E. H. *ph* 175 Ninth ave.
Gordon, F. A. 2 *c*
543 Livingston, Elizabeth
Gordon, G. A. 3 *l* Livingston
Gordon, I. 3 *l* 75 E. 121
Gordon, I. L. 3 t
243 Grand ave., Englewood
Gordon, L. 4 *t* 449 W. 124
Gordon, P. 1 *c* 177 Wadsworth ave.
Gordon, W. E. 1 *s*
1881 Madison ave.
Gordon-Smith, G. nm b
Eagle Rock Way, Montclair
Gore, A. D. 2 *l* 417 W. 114
Gostenhofer, A. C. nm b *Brooks*
Gottesman, J. 1 *m* 1176 Jackson ave.
Gottesman, M. 3 *c*
112 Gerry, Bklyn.
Gottlieb, B. 2 *c* 104 E. 81
Gottlieb, G. J. 4 *t*
1557 Pitkin ave., Bkyn.
Gottlieb, S. E. 3 b *Brooks*
Gough, Z. M. 3 b
406 S. Columbus ave., Mt. Vernon
Gould, A. L. pl *405 W. 118*
Gowin, E. B. *pl* 519 W. 121
Graae, R. 1 b
24 Market, Perth Amboy
Graff, J. R. 2 *l* 565 W. 113
Grafton, H. K. 2 *c* 205 W. 107
Graham, A. L. 1 *c* 321 W. 94
Graham, S. E. 1 *c* 3875 B'way
Graham, W. J. *ph* 414 W. 118
Granger, H. S. *f a*
119 Fenimore, Bklyn.
Grant, E. B. 3 t *Whittier*
Grant, F. C. *ph* 175 Ninth ave.
Grant, P. M. 1 *c* Hartley
Grant, W. M. 3 *s* Hartley
Grattan, J. F. 3 *m* 1210 Tinton ave.
Graves, F. P. *gr t* 501 W. 122
Graves, V. ph *Brooks*
Gray, E. P. 3 b *409–4, Bklyn.*
Gray, H. I. 3 t *416 W. 122*
Gray, J. G. 4 t *521 W. 135*
Gray, K. F. 3 b *48 W. 167*
Gray, L. 4 t *Whittier*
Gray, M. 4 t *400 W. 118*
Gray, M. 1 b *601 W. 113*
Gray, M. 4 t *416 W. 118*
Gray, R. P. 3 *t* 23 W. 24
Gray, W. A. 4 *c* 246–14, Bklyn.
Greacen, J. L. 3 *s* 384–4, Bklyn.
Green, A. *ph* 54 Eighth ave
Green, A. A. 2 *c*
938 St. Nicholas ave.
Green, G. B. 4 b
27 Madison Bklyn.
Green, G. M. *p* 460 Manhattan ave.
Green, H. C. *pl* 504 W. 131
Greenbaum, E. S. 2 *l* 2 E. 94
Greenbaum, G. R. 1 b *2 E. 94*
Greenbaum, L. S. 3 *l* 2 E. 94
Greenbaum, M. R. nm t
1082 Anderson ave.
Greenberg, D. 2 *c* 562 W. 113
Greenberg, F. 3 *s* 61 E. 121
Greenberg, H. 3 *c* 68 St. Mark's Pl.
Greenberg, J. R. *f a*
"The Washington", 7th ave. & 122
Greenberg, J. W., 1 *c* 562 W. 113
Greenberger, M. 1 *m* 302 E. 79
Greenburg, L. 2 *s* 557 W. 124
Greenburg, S. 1 b
92 Morningside ave., E.
Greene, E. T. 3 t *414 W. 118*
Greene, G. P. *f a* Livingston
Greene, H. T. 4 *s* 600 W. 133
Greene, M. H. 3 t *414 W. 118*
Greenebaum, M. 2 *l* 911 Park ave.
Greenfield, G. S., *ph* Stapleton
Greenfield, S. 3 *t* 88 Lewis
Greenhalgh, L. R. 3t
41 Purser Pl., Yonkers
Greenlaw, V. E. 4 t *101 W. 109*
Greenough, F. M. 4 t *Whittier*
Greenwald, G. V. 2 b
27 S. Seventh ave., Mt. Vernon
Greenwold, M. S. 3 b *33 Wall*
Greenwood, M. 4 t *Ridgefield*
Greenwood, W. E. nm t
3692 B'way
Gref, W. 4 *s* 448 Riverside Dr.
Gregory, F. M. 3 t *416 W. 124*
Gregory, H. 4 t
57 Washington, Long Branch
Gregory, M. G. *phar* New Canaan
Grenelle, M. B. 3 b *Haworth*
Gretsch, H. 2 *s*
1183 Bergen, Bklyn.
Griesemer, Z. L. 3 *m*
146 Fifth ave., Roselle
Griffen, R. F. 2 *c*
37 Grevoort Pl., Bklyn.
Griffin, A. D. 4 b
372 Manhattan ave.
Griffin, E. B. 3 *c* 55 W. 47
Griffin, E. G. *p* Livingston
Griffith, E. St. J. *f a* 612 W. 116
Griffith, G. A. 4 t *Brewster*

Grigg, J. R. 1 *s* 248 W. 43
Grill, A. M. 2 *l* 305 W. 114
Grimes, F. W. 1 b *431 Fourth ave.*
Grinfeld, I. *pl* Livingston
Griscom, A. 3 *c*
21 Washington Sq., N.
Griscom, L. 4 *c*
21 Washington Sq., N.
Griswold, C. A. *pl* 600 W. 122
Griswold, V. A. ph
787 Carroll, Bklyn.
Grof, C. 2 b *168 Spring, Ossining*
Grof, J. 1 b *168 Spring, Ossining*

Gross, A. *ph* Livingston
Gross, B. H. p *620 W. 179*
Gross, H. *f a*
93 Buffalo ave., Bklyn.
Gross, H. I. *p*
93 Buffalo ave., Bklyn.
Gross, L. M. 3 *s* 417 Riverside Dr.
Gross, R. pl *145 E. 92*
Gross, R. 1 b
254 Bedford ave., Mt. Vernon
Grossbaum, B. 1 *c* 920 Kelly
Grossbaum, L. 3 *s*
847 Hunts Point ave.
Grossman, G. F. 1 b
627 Macon, Bklyn.
Groves, J. *pl* 175 Ninth ave.
Grunow, W. R. 4 *c* 540 W. 113
Gubbins, G. pl
16 Eighth ave., Bklyn.
Guenther, A. E. *p*
881 Union, Bklyn.
Guernsey, R. E. 2 b *200 W. 99*
Guerrieri, P. *phar* 1682 Second ave.
Guggenheim, G. B. sp b *14 E. 92*
Guibert, J. C. N. 3 *s*
2323 Davidson ave.
Gulliver, E. H. ph *Whittier*
Gunn, L. M. B. 4 t *76 W. 94*
Gunn, M. W. 4 t *417 W. 120*
Gusmano, V. 1 *m* 62 Henry
Guy, R. A. 3 b *335 Convent ave.*
Gwathmey, W. R. 1 *c* 500 W. 114
Gyger, J. T. 3 *t* Hartley

Haake, C. H. G. 3 *m* 201 W. 105
Haaren, A. H. 2 *c* 147 W. 122
Haaren, W. F. 3 *s* 147 W. 122
Haber, I. 2 *l*
718 Angelique, W. Hoboken
Hackedorn, M. ph
117 St. John's Pl., Bklyn.
Hackett, G. I. nm t
15 Newell ave., Rutherford

Hadden, G. 4 *s* 7 E. 76
Hadsell, E. G. 1 b *99 Claremont ave.*
Hadsell, I. W. 2 *s* 99 Claremont ave.
Haefelin, F. J. gr t *420 W. 121*
Haeseler, P. C. *p* 1295 Fulton ave.
Haessler, L. ph *Whittier*
Haff, K. G. *f a* Hartley
Hagaman, E. J. *nm t* 530 W. 122
Hagaman, F. B. *gr t* 530 W. 122
Hageman, G. R. *ph* Tarrytown
Hahn, C. A. 4 t *Whittier*
Hahn, H. H. *gr t* 530 W. 122
Hahn, M. 3 t *530 W. 122*
Haig, R. M. *pl* Livingston
Haight, H. I. ph *340 E. 198*
Haines, D. W. 1 *c*
102 & Riverside Drive
Haines, W. H. 4 *s* 531 W. 113
Haire, T. C. *f a* 565 W. 113
Haldeman, H. W. 4 *s*
389 West End ave.
Haldenstein, A. A. 1 *c* 206 W. 132
Hale, A. M. 3 t
117 Van Buren, Bklyn.
Hale, H. F. gr t *Brooks*
Hale, R. 2 *c* 627 W. 113
Hale, W. T. *ph* Livingston
Halfpenny, E. 3 b *Lynbrook, L. I.*
Hall, B. H. 1 *l* 164 Waverly Pl.
Hall, B. K. *f a* Hartley
Hall, C. D. pl *138 W. 111*
Hall, C. E. 4 t *Whittier*
Hall, C. M. 3 t *Whittier*
Hall, C. W. *ph* Hartley
Hall, D. E. *gr t*
18 Elizabeth, Port Richmond
Hall, G. D. nm t *Hawthorne*
Hall, H. T. 1 *l*
200 N. Arlington ave., E. Orange
Hall, J. O. *pl* Livingston
Hall, M. A. 4 t *Whittier*
Hall, S. E. 2 *l* 521 W. 111
Haller, D. A. 3 *m* 361 W. 57
Haller, R. W. *ph* White Plains
Haller, W. *ph* 502 W. 134
Hallock, A. C. 4 b *36 E. 65*
Hallock, E. M. 2 t
Briarcliff Manor
Hallock, F. A. p *527 W. 121*
Hallock, K. R. 4 t
160 Summit ave., Jersey City
Hallock, N. A. 3 t *463 W. 159*
Halper, A. V. *phar*
956 Leggett ave.
Halpern, H. 2 *m*
1962 Amsterdam ave.

Halpern, M. *pl* 979 Aldus
Halpern, T. 4 *m*
1962 Amsterdam ave.
Halsey, K. C. ph *3 Gramercy Pk.*
Halsey, K. T. gr t *Bronxville*
Halsted, H. 1 *m* 144 W. 65
Halsted, J. P. 2 *c* 622 W. 113
Ham, W. C. 1 *l* Livingston
Hambridge, G. J. 2 *c* 550 W. 114
Hambright, J. B. *gr t* Englishtown
Hamburger, M. V. 4 b *151 W. 140*
Hamburger, N. F. ph *151 W. 140*
Hamdi, A. 1 *s* Hartley
Hamel, G. 4 t *288 Ridge, Newark*
Hamilton, A. F. nm t
332 Convent ave
Hamilton, E. J. nm t *Whittier*
Hamilton, R. G. 4 t *Whittier*
Hamlin, M. L. *p*
105 Morningside ave., E.
Hammond, A. B. pl *44 W. 12*
Hammond, F. G. *phar*
214 Cathedral P'kway
Hammond, J. 4 t *601 W. 164*
Hamrick, J. Y., Jr. 3 *m* 356 W. 57
Hancock, W. J. *ph*
Hollis Court, Queens
Hand, C. K. 2 *m*
218 S. Third ave., Mt. Vernon
Handley, M. L. 4 t *69 E. 93*
Hangen, A. V. nm t *Short Hills*
Hanna, H. J. *t* 500 W. 123
Hannan, W. S. *p* 121 Mt. Hope Pl.
Hanmer, J. L. 1 *c*
1461 Ave. G., Bklyn.
Hanry, A. F. 1 *s*
645 Monroe ave., Elizabeth
Hansen, H. B. 2 *m*
213 Jane, Weehawken
Hansen, M. C. 4 t
213 Jane, Weehawken
Hanson, D. E. 3 t
55 Adams, Mt. Vernon
Harada, K. gr t *188 Claremont ave.*
Harada, T. *ph* 600 W. 122
Harder, L. M. t *220 W. 87*
Harding, J. P. *s* 616 W. 113
Harding, K. A. 4 t
1298 Dean, Bklyn.
Hardwick, E. G. 1 b
662 E. 32, Bklyn.
Hardy, E. F. 4 b *153 E. 150*
Hardy, E. R. *pl* 419 W. 118
Hardy, S. D. B. pl *419 W. 118*
Harkey, T. L. p *515 W. 139*
Harlow, S. R. *pl* 600 W. 122
Harper, A. E. 4 t *Whittier*
Harper, E. M. nm t
6714 Ridge Boulevard, Bklyn.
Harper, J. 1 b
1071 St. Nicholas ave.
Harrer, H. M. 1 b *Briarcliff Manor*
Harrington, G. A. gr t *Whittier*
Harris, A. 1 *s* 254 W. 103
Harris, B. R. 4 t *311 W. 103*
Harris, C. P. 2 *s* 243 W. 98
Harris, F. sp b *Brooks*
Harris, H. C. *ph* 504 W. 122
Harris, J. E. 3 *t*
60 Somers, Bklyn.
Harris, J. W. 4 t *Whittier*
Harris, L. F. *gr t* 23 E. 130
Harris, L. H. 3 *s* 618 W. 113
Harris, N. 3 b *254 W. 103*
Harris, R. S. 3 *c* Hartley
Harris, R. W. 2 *s* 429 W. 117
Harris, W. H. *ph* 601 W. 125
Harrison, G. I. 2 *s*
1441 Madison ave.
Harrold, L. ph *405 W. 118*
Hart, C. 4 t *601 W. 127*
Hart, F. B. 3 t *Whittier*
Hart, G. W. *p* New Brunswick
Hartig, S. H. 3 *c* 2474 Eighth ave.
Hartigan, J. P. 1 *l* 251 Lenox ave.
Harting, E. W. *ph* 774 E. 169
Hartshorne, H. *gr t* 600 W. 122
Hartshorne, R. 3 *l* 606 W. 122
Hartzell, W. H., Jr. 3 *l* 14 W. 60
Harvey, L. E. gr t *19 W. 31*
Harvey, W. J. 2 *s* 19 W. 31
Harvitt, A. 2 *c* 192 Hooper, Bklyn.
Harwood, H. R. 1 *s* Tenafly
Hasberg, G. S. 3 b *99 Claremont ave.*
Haseman, J. D. *p* 542 W. 124
Hassinger, P. E. 2 *c* 435 W. 146
Hasslock, C. W. gr t *Whittier*
Hastings, E. M. 4 t
2164 La Fontaine ave.
Hastings, F. A. 1 *c*
102 Maple, Richmond Hill
Hathaway, M. C. 4 t *503 W. 122*
Hauben, L. 1 *c* 86–88 ave. B
Haughwout, F. G. 1 *m* 316 W. 79
Havens, H. B. nm t *Whittier*
Havens, H. C. nm t *Whittier*
Havens, W. W. 2 *s* 469 E. 134
Haviland, E. 3 t
30 So. Elliott Pl., Bklyn.
Hawes, E. W. 2 b
13 Leland ave., New Rochelle
Hawk, K. W. 1 *s* Hartley
Hawkey, E. M. 3 b
33 Sussex, Hackensack

Hay, M. M. 4 t *519 W. 121*
Hayashi, K. *pl* 64 E. 133
Hayden, J. B. *pl* 600 W. 122
Hayden, L. F. 3 *s* 618 W. 113
Hayden, R. A. 1 *c* 218 W. 116
Hayden, R. H. *ph* 175 Ninth ave.
Hayes, C. W. *pl* 600 W. 122
Haynes, J. L. 4 *s*
3216 Glenwood Rd., Bklyn.
Hays, J. E. 4 *s* Livingston
Hays, L. St. C. 3 *m* 325 W. 58
Hazel, F. L. 4 b
10 Terrace ave., White Plains
Hazen, C. P. 2 *s* 537 W. 123
Hazzard, L. F. 4 *s* Hartley
Head, W. D. *gr t* Livingston
Heady, J. H. *pl*
79 Prospect ave., Flushing
Heagey, F. W. 4 *m*
1120 Amsterdam ave.
Healy, C. E. 2 *l*
722 St. Nicholas ave.
Healy, J. R. *p* 430 W. 118
Hearn, C. W. 1 *c* 496 E. 17, Bklyn.
Hearn, G. L. sp b
1430 Glenwood Rd., Bklyn.
Heathcote, G. M. *pl* 209 E. 42
Hecht, S. gr t
Prospect ave., Maywood
Heck, W. H. *gr t* 438 W. 116
Heck, W. H., Mrs. nm t 438 W. 116
Hecker, J. F. *pl* 9 Second ave.
Hedges, A. C. gr t
185 Emerson Pl., Bklyn.
Hedley, P. 1 b 2308 Andrews ave.
Hegland, G. D., Mrs. gr t 524 W. 123
Hegland, M. *gr t* 524 W. 123
Heiden, I. F. pl 118 E. 74
Heidenis, M. B. pl 348 W. 55
Heilbrunn, L. V. *p*
331 McDonough, Bklyn.
Heilprin, M. 4 b Brooks
Heinemann, B. D. 2 b 221 E. 72
Heintze, R. W. *ph*
224 S. Ninth ave., Mt. Vernon
Helck, W. *nm c* 149 W. 96
Heller, E. M. 3 b 108 W. 75
Heller, M. W. 4 *s* 316 W. 93
Heller, W. I. *ph* 886 Longwood ave.
Hemion, R. 3 *t* 821 E. 23, Paterson
Henderson, H. B. 3 *c* Hartley
Henderson, H. G., Jr. *p*
434 Riverside Dr.
Henderson, J. L. *gr t* 515 W. 122
Hendricks, E. ph 18 E. 80
Hendricks, R. 3 b
436 Columbus ave., Mt. Vernon
Hendrickson, L. V. 1 t Whittier
Hendrickson, N. E. 4 *s*
117 Prospect Pl., Bklyn.
Hénin, B. L. A. *ph* Livingston
Henle, J. H. 4 *c* 423 W. 118
Henley, F. 3 t Whittier
Henne, A. W. 1 *c* 784 E. 163
Henry D. W. *gr t* R. D. 43, Norwalk
Henry, E. M. 1 b 80 Claremont ave.
Henry, J. W. 4 *m* 128 W. 66
Henry, L. S. 1 *c* 411 E. 18, Bklyn.
Herbermann, H. F. 2 *l*
346 Convent ave.
Herbert, W. H. 1 *c* 434 W. 22
Herbst, M. W. 4 t
2 Claremont ave., Mt. Vernon
Herckner, C. nm t
225 Passaic, Hackensack
Herkert, K. J., Jr. 1 *c* 565 W. 113
Herman, H. 1 *c* 208 E. 69
Herman, H. R. 4 t Whittier
Herman, M. L. 3 t
448 Riverside Dr.
Herman, M. R. 1 *s* 300 W. 109
Hernandez, J. A. 3 *s* 237 W. 107
Herod, D. F. 1 b 126 Claremont ave.
Herreshoff, A. F. p
1415 Sedgwick ave.
Herring, H. C., Jr. *ph* 600 W. 122
Herring, H. M. 4 *m* 170 W. 73
Herrlich, W. L. 4 *c* 443 E. 239
Herrmann, H. 3 t 58 E. 124
Herrmann, M. T. ph 112 E. 65
Hersey, C. A. 1 *c*
434 Hawthorne ave., Yonkers
Hertz, N. C. 2 *s* 403 W. 115
Herzberg, M. J. *ph*
20 Ridgewood ave., Newark
Herzfeld, A. J. 1 b 44 W. 126
Hess, E. 1 b 34 W. 120
Hess, E. M. 4 t 512 W. 122
Hess, K. F. 3 *s*
200 Schenectady ave., Bklyn.
Hessberg, M. S. 3 b 55 W. 89
Hesse, E. *ph* Livingston
Hesse, W. *f a* 1643 E. 13, Bklyn.
Hesselbach, H. V. 3 *t* Cooper Union
Hetzel, W. B. 3 *m* 231 W. 69
Heuermann, H. F. ph Whittier
Heuser, M. A. 4 t 420 W. 121
Hewetson, J. H. 3 *c* 604 W. 114
Hewitt, J. V. 3 *l* Livingston
Heydecker, W. D. 1 *l* 558 W. 113
Heyman, D. M. 4 *c* 216 W. 100
Hibbs, D. L. 4 *m* Livingston
Hice, H. M. *f a* Hartley
Hickey, L. W. 4 *s* Hartley

Hickey, M. 3 t
54 Morningside ave., W.
Hickman, J. E. *ph* 501 W. 123
Hicks, C. J., Jr. 2 *c* 423 W. 118
Hicks, F. C. *pl* 303 W. 88
Hiesel, J. 3 t
156 & St. Nicholas ave.
Higgins, E. D. gr t *Whittier*
Higgins, F. C. 4 t *Marlborough Hotel*
Higgins, L. A. 3 t
506 Washington, Hoboken
Higgins, M. E. 4 t *360 W. 123*
Higginson, J. J., Jr. *ph* 16 E. 41
Hilborn, R. 2 b *415 Riverside Dr.*
Hildebrand, A. S. 2 *f a* 8 W. 108
Hildebrand, M. A. 3 b
442 Stockholm, Bklyn.
Hilder, J. C. *f a* 540 W. 113
Hildreth, C. L. 1 *s* Hartley
Hildreth, L. J. 1 *c* Hartley
Hildreth, P. C. *pl* 99 Claremont ave.
Hill, A. D. p *539 W. 112*
Hill, A. W. 1 *c* 800 Riverside Dr.
Hill, D. 2 *l* 323 W. 87
Hill, H. G. 4 t *37 E. 71*
Hill, J. M. 4 t *628 W. 114*
Hill, J. W. 1 *l* 131 W. 118
Hill, L. S. *p* 165 W. 97
Hillas, M. 3 b
250 Palisade ave., W. Hoboken
Hillas, R. A. 2 *c* 565 W. 113
Hillerman, I. ph *Whittier*
Hinchliff, G. F. gr t *Whittier*
Hinckley, A. C. 4 t *423 W. 118*
Hine, R. C. 2 *s* 82 W. 103
Hines, A. B. *pl* 303 Henry
Hinkle, S. M. nm b *59 W. 105*
Hinman, E., Jr. 4 *s*
110 Remsen, Bklyn.
Hintze, F. F. *p* 11 W. 126
Hirch, I. 1 *s* 526 W. 123
Hirsch, M. S. 1 *l* 56 E 93
Hirschfeld, L. *f a* 418 E. 58
Hirschensohn, N. ph
322 Park ave., Hoboken
Hirshcopf, P. 2 *c*
761 De Kalb ave., Bklyn.
Hirshleifer, L. J. 2 *c*
13 Varet, Bklyn.
Hirt, E. L. 3 *s* 536 W. 114
Hitchins, O. E. 3 *s* 531 W. 135
Hoagland, H. E. Livingston
Hobart, C. E. 2 *l*
Hobbs, A. J. M. 1 *l* 527 W. 123
Hoch, S. 1 *c*
847 Gates ave., Bklyn.
Hochberger, O. 4 *s* 452 Riverside Dr.
Hochschild, G. 1 b
565 West End ave.
Hodes, H. H. *phar* 1438–53, Bklyn.
Hodges, M. L. 4 b *309 W. 101*
Hoenninger, C. G. 1 *s*
529 Third ave.
Hoey, M. A. 2 b *Whittier*
Hofflin, D. B. nm t *Whittier*
Hofflin, E. G. 4 t *Whittier*
Hoffman, G. L. 3 t
55 Davis ave., New Rochelle
Hoffman, M. *ph* 531 W. 123
Hoffman, M. D. 1 *c*
158A Quitman, Newark
Hoffman, P. E. 4 b *307 W. 137*
Hoffmann, A. S. 1 *c* 211 E. 18
Hoffmann, T. W. 3 *t*
32 Dan, Athenia
Hofheimer, G. M. f a *123 W. 126*
Hoge, M. A. p *509 W. 121*
Holcombe, F. M. 4 *m*
97 Elliott ave., Yonkers
Holden, H. D. 2 *l*
21 Beach ave., Mamaroneck
Holder, J. sp b *221 E. 52*
Hollingshead, G. G. *pl*
30 Gould ave., Newark
Hollingworth, L. S., Mrs. pl
516 W. 136
Hollmann, R. F. 2 *c*
488 Monroe, Bklyn.
Holloway, L. ph *Brooks*
Holloway, M. E. 3 b *527 W. 121*
Hollyman, J. C. *pl* 600 W. 122
Holman, B. F. 4 t *Whittier*
Holmes, S. M. gr t *511 W. 122*
Holt, E. P. 3 t *Whittier*
Holt, S. A. pl
The Campus, 39–41 Claremont ave.
Holtzman, P. J. 3 *s* 357 Lenox ave.
Holzinger, J. J. 1 *c*
109 Onderdonk ave., Bklyn.
Holzman, M. 3 *c* 506 W. 134
Holzworth, J. M. 4 *c* 46 W. 48
Honey, L. G. 4 t *101 W. 109*
Honrihan, D. B. 4 *t* 522 W. 123
Hood, G. G. 4 t *Whittier*
Hooker, B. H. ph *Whittier*
Hooper, A. H. p *563 W. 185*
Hooper, W. T. *ph* 175 Ninth ave.
Hoover, E. D. 3 b *417 W. 120*
Hoover, M. M. *ph* 417 W. 120
Hope, D. M. 1 t *Whittier*
Hopkins, H. P. 2 *f a* Hartley
Hopkins, M. D. ph *405 W. 118*
Hopkins, P. C. *gr t* 30 W. 44
Hopper, E. J. pl 175 Ninth ave.

Hopson, D. S. 4 t
224 Washington ave. Bridgeport
Hopson, E. F. pl *431 W. 121*
Horkheimer, P. 3 b *Brooks*
Horner, E. E. 3 t *419 W. 118*
Hornstein, M. 3 *m* 444 E. 146
Horowitz, B. *p* 25 E. 115
Horowitz, R. N. 1 b *211 W. 128*
Horton, B. W.. Mrs. ph
3856 Amsterdam ave.
Horton, J. A. 1 *s* 203 W. 106
Horton, L. *ph* Livingston
Horton, M. M. 4 *c*
3856 Amsterdam ave.
Horwitz, A. W. 3 t *315 W. 99*
Hotaling, E. M. 4 t *Whittier*
Hotson, V. D. 1 b
42 Linden ave. Pelham
Hough, V. 3 b *Brooks*
Houghton, E. G. 3 b *Brooks*
Houghton, G. S. 3 *m* 506 W. 111
Houghton, S. P. 3 *c* 425 W. 118
House, N. C. 2 *c* 549 W. 163
Houston, F. M. 4 t *Whittier*
Howard, A. L 3 t
795 Bushwick ave., Bklyn.
Howard, J. E. 1 *s* Rye
Howarth, M. L. 4 t *Whittier*
Howe, H. S. 4 *m* 410 W. 58
Howell, E. L. 3 t *Whittier*
Howell, F. M. 1 b
730 E. 26, Paterson
Howell, R. W. 3 *c* 616 W. 113
Howenstein, W. M. 3 *l* Livingston
Howes, E. H. ph
656 St. Nicholas ave.
Howes, L. *gr t* 600 W. 122
Howes, R. C. nm t *Whittier*
Howitt, L. R. *f a*
21 Lake, White Plains
Howry, H. H. 1 *s* Hartley
Hoyt, C. C. 1 *l* 359 W. 117
Hoyt, D. C. 3 *s* Livingston
Hoyt, J. T. 4 *s* Livingston
Huang, C. H. 2 *c* Livingston
Huang, C. S. *pl* Livingston
Hubbard, D. G. 3 *s* 131 W. 94
Hubbard, E. W. 4 *s*
1717 Ditmas ave., Bklyn.
Hubbard, G. L. 1 b 109-14, Flushing
Hubbard, J. S. 1 *c* 131 W. 94
Huber, J. G. *pl* 600 W. 122
Hubert, E. S. 3 b
361 S. Fourth ave., Mt. Vernon
Hubert, J. H. *pl* 43 E. 22
Huberty, M. A. 3 b
938 Bushwick ave., Bklyn.
Huene, A. H. ph
128 Weirfield, Bklyn.
Huesmann, L. B. *f a*
1206 Garden, Hoboken
Huff, M. M. 4 t *Whittier*
Hugh, L. H. nm t
1 Arthur, Yonkers
Hughes, H. H. *ph* Livingston
Hughes, T. C. *f a* Livingston
Hull, A. S. *p* 133 Lenox ave.
Hull, B. W. pl *44 W. 45*
Hull, M. C. *nm c* Hartley
Hull, M. R. nm t *501 W. 120*
Hummel, F. M. *gr t*
42 Richmond Ter., St. George
Hunaeus, P. 4 t *Whittier*
Hunley, E. V. 1 b *526 W. 173*
Hunt, H. H. 4 *c* Hartley
Hunt, M. B., Mrs. 4 t *Whittier*
Hunt, R. *nm t* 53 E. 132
Hunter, C. E. nm t *Whittier*
Hunter, E. M. 4 t *126 W. 94*
Hunter, E. R. t *Ridgefield Pk.*
Hunter, F. B. 4 t *66 E. 177*
Hunter, J. R. *gr t* 430 W. 122
Huntington, J. 1 b
16 Lawrence, Yonkers
Hurd, R. A. 1 *m*
Hurie, W. L. *pl* 600 W. 122
Hurwitz, S. T. H. *ph* 217 E. 69
Huser, T. E. 2 *l* 627 W. 113
Husing, M. A. nm t
1285 Pacific, Bklyn.
Hussakof, E. 3 t *148 E. B'way*
Hutchinson, E. J. pl *506 W. 122*
Hutchinson, H. E. 4 t *500 W. 121*
Hutchinson, J. H. *gr t*
Pocantico Hills
Hutchison, F. R. 2 *m* 332 W. 58
Hüttlinger, C. F. *4 s*
771 Carroll, Bklyn.
Hutton, S. E. p *13 W. 103*
Huyler, W. C. 1 *c* Tenafly, N. J.
Huyssoon, M. P. 4 t
686 E. 25, Paterson
Hyde, I. ph *157 Remsen, Bklyn.*
Hyde, L. S. 4 t *524 W. 124*
Hyde, R. R. *p* 542 W. 124
Hyde, R. W. 3 *s* 611 W. 137
Hyman, J. 1 *m* 62 E. 90
Hyman, J. C. *pl* 11 W. 112
Hyman, M. 3 *c* Hartley

Iaason, A. H. 4 *c*
729a Macon, Bklyn.
Ide, J. J. *f a* 1128 Madison ave.
Ikeda, M. *pl.* 419 W. 118

Ilsen, W. R. 1 *c*
52 Morningside ave., E.
Imbert, L. *ph* 510 W. 124
Ingalls, E. M. gr t *New Rochelle*
Ingalls, F. W. 1 *c* 153 W. 80
Ingalls, R. C. 2 *c* 153 W. 80
Ingram, V. 4 t *Whittier*
Iorio, E. F. 3 *m*
2149 Pacific, Bklyn.
Ireland, E. W. *gr t*
212 Union, Hackensack
Ireland, I. B. 3 b
48 Van Sice ave., Yonkers
Irish, C. G. 2 *m* 506 W. 111
Irvin, J. S. 4 *m* Livingston
Irvin, K. F. *phar* 601 W. 135
Irving, E. H. nm b
116 Dudley ave., Westfield
Irving, S. 4 t *128 Milton, Bklyn.*
Irwin, E. C. 3 t *Whittier*
Irwin, M. G. 2 t
14 Grand Pl., Arlington
Isabel, E. C. 3 b *601 W. 113*
Isbell, O. C. 4 *c* 540 W. 165
Isham, R. M. *p*
525 Second, Bklyn.
Israel, A. H. 3 *s* 192 Eighth ave.
Iverson, M. C. 1 *s* 447–44, Bklyn.
Izumi, A. I. *pl* 327 W. 108

Jabine, L. 1 *c*
9 Morris Crescent, Yonkers
Jabine, T. 3 *s*
9 Morris Crescent, Yonkers
Jackson, A. C. 4 t
18 Rudd Court, Glen Ridge
Jackson, E. M. 3 t *420 W. 121*
Jackson, L. nm t *West Summit*
Jackson, L. M. 1 b
505 Clinton ave., Bklyn.
Jackson, S. L. 4 *c* 118 W. 57
Jackson, W. M., Jr. 3 *s* 966 E. 167
Jacob, L. M. 3 t *7 John, Jamaica*
Jacobs, A. W. 1 *m* 220 E. 12
Jacobs, H. H. 3 *s*
20 Morningside ave.
Jacobsen, B. M. 1 b
182 Kearney ave., Perth Amboy
Jacobsen, H. A. 3 t
31 Palisade ave., W. Hoboken
Jacobson, D. L. 1 *c*
578 Grand, Jersey City
Jacobson, F. R. 1 b *Brooks*
Jacobson, H. H. C. 4 t
Orthopædic Hosp., White Plains
Jacobson, N. M. *phar*
453 Nepperhan ave., Yonkers
Jacobson, S. 2 *m* 1218 Boston Road
Jacoby, D. sp b *44 W. 72*
Jacques, H. C. 4 *c*
539 Manhattan ave.
Jägendorf, M. A. 1 *c* 435 W. 117
Jakway, P. R. 1 *s* 419 W. 115
James, F. M. nm t
138 McLean ave., Yonkers
James, J. B. f a *257 W. 104*
James, M. 1 b *259 E. 176*
James, M. G. 4 t *Whittier*
Jamison, A. C. 1 b
257 Clermont ave., Bklyn.
Jamison, L. H. 3 t *417 W. 121*
Janney, S. M., Jr. 1 *c* 102 W. 93
Janson, C. A. 3 *s* 163 E. 37
Jaqua, E. J. *gr t* 600 W. 122
Jaques, S. 3 *c* 429 W. 117
Jareckie, E. A. 2 *s* 601 W. 113
Jarrett, B. A. 4 t
188 Claremont ave.
Jeanneret, A. 1 *s* 565 W. 113
Jefferson, C. F. 2 *l* 121 W. 85
Jeffery, E. 4 t *519 W. 121*
Jeffrey, L. MacL. 2 b *234 W. 136*
Jellerson, M. D. 3 t
98 Park, Montclair
Jellerson, M. E. nm t
98 Park, Montclair
Jenkins, A. U. 3 *t* 509 W. 122
Jenkins, H. D. pl *Whittier*
Jenkins, H. H. 1 b *232 Madison ave.*
Jennings, C. M. ph *501 W. 121*
Jennings, E. A. 3 *m* 561 W. 180
Jennings, F. B. 4 *m*
601–11, Bklyn.
Jensen, E. L. 2 *c* Hartley
Jerskey, A. 1 *m*
875 Driggs ave., Bklyn.
Jervey, H. W. 2 *l* Livingston
Jessup, E. C. 1 *m* 231 W. 69
Jessup, H. H. 2 *c* 52 E. 77
Jessup, H. H. 4 t *417 W. 121*
Jessup, M. R. 1 t *2206 Andrews ave.*
Jewell, C. L. *nm t*
31 Tibbets ave., White Plains
Jewell, M. ph
126 Willouhby ave., Bklyn.
Jewell, R. H. 1 *l* 417 W. 118
Jewell, T. B., Jr. 1 *l* 417 W. 118
Jewett, F. W. 1 *c*
14 Morningside ave.
Jimenis, E. A. 1 *c* 268 W. 72
Jochinsen, J. P. *pl* 600 W. 122
Johnson, A. A. 1 *c* 400 W. 124
Johnson, A. G. 3 *t* Hartley
Johnson, A. M. *nm l* Hartley

Johnson, H. F. 1 *m* 332 W. 58
Johnson, H. K. nm t
1655–59, Bklyn.
Johnson, H. L. 4 *m* 346 W. 57
Johnson, J. L. 2 *m* 345 W. 57
Johnson, J. M. 4 t *416 W. 122*
Johnson, J. W. 2 *s* 601 W. 148
Johnson, L. 3 *t* Whittier
Johnson, L. D. *p*
84 Crescent ave., Jersey City
Johnson, L. I. 4 t *416 W. 122*
Johnson, M. H. ph *509 W. 121*
Johnson, M. K. 3 t *420 W. 119*
Johnson, N. R. 2 *c* 430 W. 122
Johnson, P. B. 2 *c* 130 W. 104
Johnson, R. A. 3 t *Whittier*
Johnson, R. K. 1 *m*
164 Waverly Place
Johnson, S. T., Jr. 1 *s*
Croton-on-Hudson
Johnson, T. C., Jr. 3 *l* Livingston
Johnston, E. A. 4 t *Whittier*
Johnston, H. B. *ph*
Union Theological Seminary
Johnston, H. J. 3 t
8 Brunswick Road, Montclair
Johnston, H. T. 3 *c* 565 W. 113
Johnston, R. L. 3 *s* 429 W. 117
Johnston, S. H. gr t
22 S. 13th ave., Mt. Vernon
Johnston, W. S. 1 *c* 542 W. 112
Jonas, E. H. 3 t *423 W. 118*
Jones, A. E. 4 t
22 Stanley Place, Yonkers
Jones, B. L. 3 *m* 356 W. 57
Jones, E. B. 4 t *417 W. 120*
Jones, E. E. *f a* 604 W. 115
Jones, E. L. 3 b *2517 Marion ave.*
Jones, E. T. 4 b *450 W. 149*
Jones, H. D. *pl* 600 W. 122
Jones, H. F. W. 3 t *Whittier*
Jones, H. H. *pl* Hartley
Jones, L. M. *pl* 524 W. 123
Jones, M. E. 3 t *Whittier*
Jones, M. E. 3 t
90 Morningside Dr.
Jones, N. L. p *Bound Brook*
Jones, O. C. *pl* 600 W. 122
Jones, R. F. *ph* Livingston
Jones, S. M. pl *522 W. 123*
Jones, W. R. *p*
Jordan, A. E. 1 b *126 W. 102*
Jordan, D. L. 1 *l* Yonkers
Jordan, J. C. *ph* 509 W. 121
Joseph, L. *f a* 157 W. 123
Joseph, P. I. 4 *c* 50 Suffolk
Joseph, S. *pl* 266 Grand

Journeay, H. 1 b
Highwood ave., Highwood
Jud, F. C. 4 b
119 Franklin, Jersey City
Jung, P. H. 3 *s*
124 Bainbridge, Bklyn.
Junge, E. W. T. ph *745 Trinity ave.*
Junghans, B. 3 b
871 St. Nicholas ave.

Kadison, M. 3 *c* 204 W. 110
Kahn, A. F. 2 *l* Livingston
Kahn, C. 4 t *303 Dean, Bklyn.*
Kahn, L. ph *815 E. 167*
Kahn, M. *p* 115–2
Kahn, S. 3 *t* 115–2
Kaighn, P. B., Mrs. nm t
70 Morningside, W.
Kain, W. F. 3 *l* 425 W. 118
Kaine, J. M. *p*
135 Wright, Stapleton
Kalardjian, M. T. *ph* 120 & B'way
Kalt, M. J. nm b 2 W. 880
Kamaiky, D. E. 3 *c* 9 W. 12
Kannengieser, M. 2 *s*
1723 Madison ave.
Kantor, J. L. 4 *m* 386 E. 143
Kaplan, F. nm t *406 W. 146*
Kaplan, I. I. 2 *m* 16 E. 96
Kaplan, J. 1 *c* 441 E. 81
Kaplan, M. 3 *c*
1708 Pitkin ave., Bklyn.
Kaplan, P. G. 4 *t* 66 E. 102
Kapp, K. S. ph *500 W. 123*
Karrick, S. N. *nm s* Livingston
Katz, E. 2 *m* 439 Hendrix, Bklyn.
Katz, M. 3 b 736 Greene ave., Bklyn.
Katz, S. M. 4 *m*
1613 Pitkin ave., Bklyn.
Katzenberg, S. K. 3 *s*
1505 Charlotte
Kauffman, H. 2 *c*
201 State, Hackensack
Kaufhold, R. M. 4 t *Whittier*
Kaufman, B. 4 *t* 205 Division
Kaufman, E. R. 3 *l* Hartley
Kaufman, F. 1 *c* 330 E. 120
Kaufman, L. B. 3 *s*
165 S. Arlington, E. Orange
Kaufman, P. 2 *c* 447 E. 119
Kaufman, S. 2 *c*
129 Wickliffe, Newark
Kaufman, W. 2 *s* 145 W. 96
Kavanagh, E. J. *ph*
1920 Anthony ave.
Kay, H. B. 3 t *128 W. 84*
Keagey, E. ph *615 W. 136*

Kearney, G. S. 4 *s* 418 W. 118
Kearney, L. I. 3 *t* 157 E. 39
Keeler, E. C. Mrs. gr t
76 Morningside Dr.
Keeler, R. W. *gr t*
76 Morningside Dr.
Keen, E. L. 1 *l* Livingston
Keeley, E. M. ph *503 W. 122*
Keeler, H. L. 2 *c* 250 W. 78
Keeler, S. E., Jr. *ph*
175 Ninth ave.
Keenan, I. D. 4 b
70 Third Pl., Bklyn.
Keil, G. 1 *c* Flushing
Keil, G. W. 4 *m* Livingston
Keim, J. H. 2 *l* 1109 Madison ave.
Keith, W. N. 4 *m* 17 E. 59
Keleher, M. J. *ph* 985 Aldus
Keller, F. R. *p* Livingston
Kelley, A. E. 1 b
207 Park Pl., Bklyn.
Kelley, E. C. 1 b
20 Sidney Pl., Bklyn.
Kelley, F. A. 4 t
34 Lincoln, Jersey City
Kelley, M. F. 3 b *Brooks*
Kellogg, W. A. 3 *m* 48 W. 51
Kellogg, W. H. 3 *l* 211 W. 108
Kellogg, W. R. 2 *l* Livingston
Kellsey, H. C. nm t *Englewood*
Kelly, E. G. 2 b *135 Hamilton Pl.*
Kelly, E. L. pl *48–2, Bklyn.*
Kelly, H. A., Mrs. nm t
Mile Square Rd., Yonkers
Kelly, J. P. *p*
2231 Black Rock ave.
Kelly, L. F. 1 b *Brooks*
Kelsey, F. M. Mrs. 4 t
575 Riverside Dr.
Kelsey, L. F. 4 t *Whittier*
Kemna, C. gr t *224 W. 52*
Kemp, J. T. 4 *c* 211 W. 139
Kemp, P. K. 1 *c* 211 W. 139
Kemp, W. C. B. *pl* Livingston
Kempton. E. M. 4 b
9 Van Cortlandt Park ave., Yonkers
Kempton, I. 1 b
9 Van Cortlandt Park ave., Yonkers
Kempvanee, J. C., Jr. 1 *c*
121 E. 76
Kenbeck, J. L. 3 *t*
313 Prospect ave., L. I.
Kennedy, F. A. 3 t *Spring Valley*
Kennedy, L. 4 t *188 Claremont ave.*
Kennedy, M. 2 t *162 E. 79*
Kennedy, M. T. *ph*
170 State, Bklyn.
Kennedy, P. A. 3 *t*
137 Garfield Pl., Bklyn.
Kennedy, R. H. 4 *m* 570 W. 182
Kenney, J. J. 1 *m* 157 W. 61
Kenny, M. E. 2 b
214 St. Marks ave., Bklyn.
Kent, S. G. 1 *l*
65 Hobart ave., Summit
Kenyon, T. S. 1 *l* 321 W. 82
Keough, A. C. 1 *l*
974 St. Mark's ave., Bklyn.
Kerby, C. E. 1 b *Brooks*
Kerley, J. H. 4 *c*
350 Lafayette ave., Bklyn.
Kerr, D. R. 2 *c*
2822 Ave. K., Bklyn.
Kersey, P. J. 4 *t* 400 W. 118
Kersting, D. A. 3 *l* 44 W. 44
Kessel, T. 3 t *1140 Bergen, Bklyn.*
Kessler, G. W. 3 *l* Livingston
Ketcham, E. 4 t *283 E. 12*
Ketcham, M. E. 3 t *Whittier*
Ketels, L. H. 4 *c*
76 Hooper, Bklyn.
Keune, E. 3 t *Whittier*
Kidd, H. C. *pl* 315 W. 14
Kidder, F. H. *ph* Greenwich
Kidder, Z. H. nm t *523 W. 121*
Kiefer, K. H. 2 *s* 540 W. 113
Kiendl, T., Jr. 2 *l* 540 W. 113
Kilényi, E. *f a* 6 E. 126
Kimm, W. I. 1 *c* Montrose
Kinch, D. 3 b *74 W. 69*
King, A. V. pl *Whittier*
King, E. D. 3 *c*
158 Garfield Pl., Bklyn.
King, E. E. ph
Wadleigh High School
King, F. R. *f a* 20 E. 84
King, G. B. *pl* 600 W. 122
King, H. B. 1 *s* 618 W. 113
King, H. L. *p* 559 W. 164
King, H. W. nm t
19 Howard Pl., Bklyn.
King, L. C. *gr t* 559 W. 164
King, L. R. 2 *l* 20 E. 84
King, R. M. 2 *c*
34 Greene ave., Bklyn.
King, V. K. sp b
28 Chestnut Lane, New Rochelle
Kinney, M. 2 *c* 50 W. 74
Kinoy, A. 3 *t* 48 South 10, Bklyn.
Kipp, R. P. *nm t*
27 Waller ave., Ossining
Kirby, R. T. *p*
54 Morningside Dr.
Kirby, T. J. *gr t* Livingston

Kirchgraber, E. H. 3 *s* Hartley
Kirchwey, D. B. pl
800 Riverside Dr.
Kirchwey, F. 1 b 800 Riverside Dr.
Kirk, C. T. *p* 68 & Park ave.
Kirk, D. W. 3 t
55 Elm ave., Mt. Vernon
Kirschstein, J. 2 *s* 222 Henry
Kissell, M. L. gr t 417 W. 120
Kivlen, M. D. pl 365 Edgecomb ave.
Klaus, H. 4 *m*
463 Clinton, Hoboken
Klein, A. J. *pl* Livingston
Klein, E. 3 *c* 418 E. 5
Klein, H. 1 *s* 182 E. 7
Klein, K. F. 1 *s* 206 W. 148
Klein, L. 3 *l* 105 W. 136
Kleinbaum, E. N. 4 *s*
373 Washington ave., Bklyn.
Kleinman, P. 3 *t* 79 Columbia
Kling, D. C. nm t
480 McDonough, Bklyn.
Kling, J. *ph* 392 So. 5, Bklyn.
Klingenstein, P. H. 1 *c* 136 E. 79
Kloomok, I. *phar* 230 E. 14
Kloster, W. J. 3 *c*
215 St. John's Pl., Bklyn.
Kluge, A. C. 3 *t* 1 W. 101
Klugescheid, R. C. 2 *l* 170 W. 89
Knapp, A. M. pl
"*The Drive*," *Richmond Hill*
Knapp, C. M. 2 *c*
1737 Sedgwick ave.
Knapp, C. W. 4 *m* 6 E. 45
Knapp, W. C. 3 *t* Hartley
Knappe, A. H. *f a* Ardsley
Knauth, O. W. *pl* 420 W. 118
Knight, E. W. *gr t* Livingston
Knight, F. S. 2 *l* 211 W. 127
Knight, G. 4 t 425 W. 114
Knight, W. A. 3 *m* 600 W. 122
Knight, W. A. gr t Whittier
Knopf, A. A. 4 *c*
Knopf, S. H. 2 *s* 302 E. 34
Knuth, H. G. 1 *c* Hartley
Kobletz, A. E. *ph* 15 E. 38
Koechl, O. R. *f a* 7 E. 41
Koenig, E. L. F. 4 *c* 28 W. 83
Koenig, E. H. 3 *s* 429 W. 117
Koenig, L. 2 *l* 80 W. 12
Koenig, S. H., Mrs. nm t 27 E. 81
Koffler, A. *phar* 200 Second ave.
Kohlbusch, A. H. 3 *s* 431 W. 117
Kolb, M. G. 3 t Whittier
Kominz, J. S. 2 *m* 1827 Seventh ave.
Konarski, M. M. 2 *c* 356 E. 72
Koo, V. K. W. *pl* Hartley
Koontz, J. B. *nm t*
63 Maple ave., Rahway
Kopeloff, N. 4 *c* 824 E. 165
Korn, M. H. 3 *s*
Elm ave., Hackensack
Korn, S. S. 2 *l* 238 E. 68
Koss, I. G. 3 b 628 West End ave.
Kottek, H. C. 2 *c* 17 W. 70
Koukol, C. J. 2 *s* 414 E. 77
Kraft, P., Jr. 4 *s* 919 Ogden ave.
Krakow, M. H. 2 *m* 67 E. 97
Kramer, B. 1 *m* 1459 Madison ave.
Kramer, B. J. *p* 232 Henry
Kranz, S. 3 *t* 73 Ridge
Kraus, W. F. 1 *s* 508 E. 89
Krause, E. 1 b 15 E. 87
Kready, L. F. 4 t 417 W. 120
Krefeld, W. J. 2 *s* 74 W. 102
Krenning, E. A. ph Whittier
Krier, D. A. 1 b
267 Fenimore, Bklyn.
Krinsky, H. J. T. 1 b 609 W. 114
Krolfifer, J. F. 2 *c*
1293 Amsterdam ave.
Kroll, A. 2 *c* 318 E. 84
Kroll, C. 3 *s* 318 E. 84
Krolman, W. J. 1 *s*
49 Fulton ave., Astoria
Kronheimer, A. S. 3 *s*
90 Morningside Drive
Kronman, D. E. 4 *m*
638 Lafayette ave., Bklyn.
Krug, C. 2 *c* 830 Park ave.
Kuhlmann, A. E. 2 *m*
527 Union Pl., Union, N. J.
Kuhn, A. gr t 2730 Bway.
Kuhn, I. 2 *c* 1189 Boston Rd.
Kuhn, S. 1 *s* 588 Lenox ave.
Kunstler, M. B. 3 *m*
465 Central Pk., W.
Kunzman, I. 4 *c* Plainfield
Kuo, P. W. *gr t* 520 W. 122
Kuper, G. M. ph
Holy Angels' Academy, Fort Lee
Kupfer, W. S. 3 *c* 20 Greene
Kupferstein, J. T. 2 *s*
8661 Bay, Bensonhurst
Kurlander, A. A. 3 t
13 E. 3, Brighton Beach
Kurtz, E. 4 *t* 414 W. 118
Kurz, H. *ph* 1370 Fifth ave.
Kurz, J. B. 3 *s*
105 Throop ave., Bklyn.
Kurz, P. W., Mrs. 3 t 501 W. 121
Kutner, M. 4 b 714 W. 180
Kwan, Y. C. 4 *c* Hartley
Kyd, S. E. gr t 130 Claremont ave.

Labarca-Hubertson, A. ph *544 W. 113*
Lacey, O. 3 b *214 E. 51*
Lacey, T. T. *pl*
782 President, Bklyn.
Lachmann, H. R. 1 b *420 W. 121*
La Corte, S. F. 1 *c*
621 Third ave., Elizabeth
Lacy, P. S. *f a* 411 W. 115
Ladd, W. S. 1 *m* 346 W. 57
La Dow, S. V. 3 *c* 610 W. 116
Laguardia, G. B. 3 *s*
269 Pleasant ave.
Laguardia, G. 2 *c* 269 Pleasant ave.
Lahey, W. S. 3 *c*
520 Summit ave., Jersey City
Laidley, H. W. *pl*
236 Halsey, Bklyn.
Laird, S. G. ph *Whittier*
Laitem, L. 4 t *Whittier*
Lake, A. L. 1 t *419 W. 118*
Lake, S. *gr t* 80 E. 127
Lamb, K. B. 4 *s* 360 W. 22
Lambert, E. G. 1 b
225 Rich ave., Mt. Vernon
Lambert, J. I. nm t
1025 Lexington ave.
Lambert, P. C. 4 b *606 W. 135*
Lamont, F. C. ph *Englewood*
Lander, W. P. S. 1 *c*
500 State, Bklyn.
Landes, S. W. 4 t *339 E. 32*
Landis, W. B. 1 *l* 633 W. 115
Landman, E. S. 2 *s*
838 West End ave.
Landman, S. 4 t *Whittier*
Landolt, P. E. 4 *s* 627 W. 113
Landru, L. E. 4 b *528 W. 114*
Landy, J. A. 2 *m* 2948 Third ave.
Lane, E. S. *pl* Chelsea Square
Lane, L. B. 1 *c*
970 Orchard, Peekskill
Lang, R. M. nm t *31 E. 27*
Langensiepen, J. F. 3 *t* 225 E. 49
Langfeld, C. H. 3 t *Whittier*
Langford, J. E. 4 *t*
34 Spruce, New Rochelle
Langh, P. A. 1 *c* 605 E. 11
Langley, R. H. 3 *s* 523 W. 122
Langton, W. S. *p* 11 W. 126
Lanz, I. B. ph
163 Lefferts Pl., Bklyn.
Lanz, J. M. ph
163 Lefferts Pl., Bklyn.
Lapidus, A. 2 *s* 142 W. 117
La Pierre, L. S. *f a*
1090 Bushwick ave., Bklyn.
Larson, G. B. *f a* 419 W. 115
Larson, H. M., Jr. 2 *m*
240 Rutland Rd., Bklyn.
Lasher, J. K., Jr. 2 *c* 627 W. 115
Lasher, W. R. *p* 614 E. 18., Bklyn.
Lasher, W. W. 1 *m*
827 Lexington ave.
Lashkowitz, B. D. *f a*
7 Rankin, Newark
Lassman, Benj. 4 *s*
1248 St. Nicholas ave.
Latenser, F. J. *f a* 429 W. 117
Latenser, J. 4 *f a* 531 W. 135
Latham, M. B. nm t *503 W. 122*
Latham, M. W. ph *Whittier*
Lathrop, D. P. 3 t *Whittier*
Lathrop, J. E. 3 *s* Yonkers
Lathrop, T. S. 2 *s*
584 Warburton ave., Yonkers
Latzke, F. R. 3 b *501 W. 111*
Latzke, P. 3 b *501 W. 111*
Lau, R. F. *ph* 340 W. 19
Laubach, F. C. *pl* 600 W 122
Lauber, H. C. 1 *s* Hartley
Laucks, S. S. *pl* Livingston
Laurier, C. 2 *c* 246 E. 50
Laurier, L. 2 *c* 246 E. 50
Lauterbach, B. 3 t
"St. Andrew," 72 & B'way
Law, C. E. nm t
444 S. Second ave., Mt. Vernon
Law, M. F. ph *700 W. 178*
Lawler, M. H. 2 b *569 W. 182*
Lawrence, E. P. 4 t
1245 Amsterdam ave.
Lawsing, G. C. 4 *m* 325 W. 58
Lawton, E. B. 2 *c* 344 W. 36
Lazrus, B. 1 *c*
404 Miller ave., Bklyn.
Leake, E. G. gr t *435 W. 123*
Lebendiger, I. 2 *c* 155 Orchard
Lechenger, G. C. 2 *m* 524 W. 140
Lee, A. G. 4 t *456 W. 141*
Lee, C. E. gr t *136 E. 22*
Lee, E. 3 t *401 W. 118*
Lee, E. A. 3 *t* Livingston
Lee, J. C., Jr. 1 *c* 248 W. 127
Lee, L. V. 2 *s* 616 W. 113
Lee, M. T. p *66 W. 95*
Lee, O. S. O. *p* Hartley
Lee, W. M. 3 t *568 W. 149*
Lee, Y. W. 1 *c* 277 W. 122
Leeds, J. B. *pl* 417 W. 121
Leeper, A. P. 3 t
15 Newell ave., Rutherordf
Leete, W. R. *gr t* 600 W. 122
Leftwich, B. C. 3 t *Whittier*

Leggett, T. H., Jr. *2 c* Hartley
Legoll, J. C. *phar* 286 Seventh ave.
Lehman, E. *1 c* 236 W. 138
Leiffer, J. H. *3 m* 25 W. 125
Leiner, J. *3 s* Hartley
Leist, S. G. 4 t *Whittier*
Le Lacheur, B. S. 3 t *Whittier*
Leland, M. E. 3 b *509 W. 121*
Leman, G. W. *gr t*
55 Park Pl., Bklyn.
Lemcke, H. F. *nm t*
14 Van Nest Place
Lenz, M. *3 m* 57 W. 140
Leny, A. H. nm t *Whittier*
LeNormand de Bretteville, M. 3 t
Whittier
Leo, J. 3 t *501 W. 120*
León, T. C. *f a* 1878 Seventh ave.
Leonard, C. F. *1 c*
35 Murray, Flushing
Leonard, C. W. 4 t
Forrest Pl., Bayonne
Leonard, E. nm t *19 W. 120*
Leonard, R. J. *4 t* 501 W. 124
Le Prince, G. M. 3 t *609 W. 158*
LeRoy, W. I. *4 t* Livingston
LeSeur, H. H. *3 m* 346 W. 57
Leslie, R. L. *nm c* 2768 B'way
Lesselbaum, S. *pl*
432 Ashford, Bklyn.
Lesser, M. L. *3 l* Woodmere, L. I.
Leve, J. A. *3 l* 306 W. 94
Levene, H. *gr t* 10 Attorney
Levensohn, R. ph *843 Jennings*
Leventhal, M. J. *gr t* 32 Pitt
Levi, R. E. 1 b *925 West End ave.*
Levin, I. H. *4 t*
5017 Fourth ave., Bklyn.
Levin, M. gr t *Hawthorne*
Levine, M. *p* 449 W. 124
Levine, M. *p*
160 Vernon ave., Bklyn.
Levine, S. *3 m* 108 Moore, Bklyn.
Levine, S. *2 l* 403 W. 115
Levine, V. E. *p* 81 Second ave.
Levinson, E. F. 1 b
Park Hill, Yonkers
Levinson, N. H. *2 c* 93 Monroe
Levinson, S. J. *nm l*
372 Wallabout, Bklyn.
Levison, S. *4 s*
177 Eighth ave., Bklyn.
Levitt, A. *3 c* Union Settlement
Le Vitt, C. H. *gr t* Hartley
Levkowits, A. *3 s* 936 Kelly
Levy, A. H. nm t *Whittier*
Levy, A. K. *4 s* 362 St. Nicholas ave.
Levy, D. M. *3 t* 225 E. 116
Levy, E. L. 1 b *52 E. 87*
Levy, Jerome *3 c*
709 Bushwick ave., Bklyn.
Levy, Joseph *4 c*
408 Douglas, Bklyn.
Levy, J. *1 s* 2797 Third ave.
Levy, J. *3 c*
709 Bushwick ave., Bklyn.
Levy, L. E. *4 s*
100 Morningside Drive
Levy, L. M. *2 l* 1893 Seventh ave.
Levy, M. *1 l*
1366 St. Nicholas ave.
Lewinsohn, M. M. *pl* 46 W. 116
Lewis, A. B. *p*
Staten Island Academy, New Brighton
Lewis, A. G. gr t *Whittier*
Lewis, C. L. *3 c* 124 E. 81
Lewis, E. E. *gr t* 419 E. 115
Lewis, E. R. *ph*
599 Jefferson ave., Bklyn.
Lewis, L. C. *ph* Chelsea Square
Lewis, M. J. ph *Whittier*
Lewis, M. S. *p* Livingston
Lewis, R. *1 l* 26 Jones
Lewis, R. W. *1 m* 348 W. 57
Lewis, S. L. 4 t *503 W. 121*
Lewoutin, E. 4 b *458 Third ave.*
Liang, C. S. *3 c* Hartley
Libbin, M. N. 4 t *Whittier*
Libbin, T. J. *ph*
1270 Amsterdam ave.
Liberman, J. B. *nm l* 359 W. 118
Lichtenstein, H. 1 b
22 Morningside ave.
Lichtenstein, L. *2 s*
1057 Bedford ave., Bklyn.
Liebovitz, S. *p* 31 W. 89
Liebowitz, B. *p* 31 W. 89
Liff, J. *4 c* 49 E. 102
Lincoln, L. 1 b *Brooks*
Lind, J. nm t *Whittier*
Lindemann, E. pl *2245 Ryer ave.*
Lindley, A. H. *1 l* 520 W. 123
Lindsay, F. N. *ph* 422 W. 119
Lindsley, G. *f a* 558 W. 113
Linehan, P. H. *p* 607 W. 138
Lingg, S. C. 3 b
303 St. Paul's ave., Tompkinsville
Linicus, H. *1 s* 851 E. 162
Lint, T. 2 b
223 Hewes ave., Bklyn.
Lintz, J. *2 c*
907 St. Mark's ave., Bklyn.
Lipari, A. *ph* 2071 Fifth ave.

Lipari, A. F. 3 *s* 2071 Fifth ave.
Lipman, L. 2 *s* 58 W. 57
Lippincott, R. H. 2 t *Whittier*
Lippman, H. M. *f a* 60 E. 91
Lipschultz, J. 2 *c* 45 Floyd, Bklyn.
Lipscomb, A. E. pl *Whittier*
Liss, I. E. 4 *m* 1202 Fulton ave.
Littell, E. D. 3 t *44 W. 9*
Little, C. 3 t
269 Union ave., Paterson
Little, J. M. C. *nm c* 80 W. 40
Little, J. T. 3 *c* 1911 Crotona ave.
Little, M. C. 4 t *Whittier*
Livingston, C. B. 3 t *Whittier*
Livingston, R. R. 1 *l*
11 Washington Sq., N.
Livingston, W. S., Jr. 1 *s* 161 E. 36
Lloyd, G. P. 2 *l* Hartley
Lloyd, L. *ph* 2609 Bway.
Locke, L. L. *gr t*
950 St. John's Pl., Bklyn.
Lockwood, P. 3 b *550 Park ave.*
Loeb, L. M. *f a* 557 W. 124
Loebenstein, J. 4 *s* 67 E. 84
Loesch, H. G. 1 *c*
615 Linden, Bklyn.
Loewy, J. 4 *s* 345 E. 146
Logan, A. E. nm t *420 W. 121*
Logan, C. T., Jr. 1 *c* Palisade
Logan, L. L. 4 t *Whittier*
Logan, W. 2 *c* 76 Perry
Loggins, J. A. 3 *m* 325 W. 58
Lomax, E. L., Jr. 1 *s* Hartley
Lombard, R. H. *p* 500 W. 114
Lommell, G. 3 *s*
502 Manhattan ave.
London, E. W. 3 t *920 Tiffany*
London, I. E. 4 b *64 W. 115*
Long, D. ph *42 Lenox Rd., Bklyn.*
Long, E. O. p *171 E. 83*
Long, R. V. 3 *t* Hartley
Long, S. V. ph *418 W. 118*
Longo, T. J. 1 *m* 37–2d Pl., Bklyn.
López, E. A. 4 *m* 446 W. 58
Lopez de Victoria, C. 2 *m*
169 E.69
Lord, M. E. p
10 Gamewell, Hackensack
Lorentz, D. E. *pl* Madison
Lorentz, M. M. 2 *c*
596 Monroe, Bklyn.
Los Kamp, N. 1 *c*
55 Division ave., Bklyn.
Lotz, E. 4 t *121 Essex, Bklyn.*
Louchery, C. W. *nm l* Livingston
Loughran, G. A. *gr t* 405 E. 139
Loughran, K. A. nm t *210 E. 36*
Louis, M. 4 t *440 E. 26*
Louis, S. M. 3 *c* 100 W. 118
Louria, A. L. 3 *m*
249 Hewes, Bklyn.
Louria, E. G. 1 b *249 Hewes, Bklyn.*
Love, J. W., Jr. 1 *c* 204 W. 110
Lovejoy, J. M. 4 *s* 608 W. 113
Low, H. F. 4 t
257 Summit ave., Mt. Vernon
Lowens, H. 3 *m* 1239 Franklin ave.
Lowenstein, A. G. 2 *c* 234 E. Bway.
Lowndes, E. 2 b
19 Wallace ave., Mt. Vernon
Lowrie, J. M. 3 *l* Hartley
Lowther, F. de L. 3 b
610 Riverside Dr.
Lowy, A. *p* 1457 Bryant ave.
Lubarsky, D. A. 2 *m* 1 W. 112
Lubarsky, L. H. *pl* 59 W. 115
Lucas, A. F., Jr. 2 *s* Livingston
Luccock, M. N. 1 t *Whittier*
Luce, E. B. 4 *t* Ridgefield Pk.
Luhman, C. 4 *c* New Rochelle
Luhrs, H. 2 *s* 2364 Eighth ave.
Lührs, I. 3 *l* 153 North, Jersey City
Lull, S. R. 1 b
38 Robins Pl., Yonkers
Lum, S. C., Jr. 1 *s* Elizabeth
Lundborg, H. C. 2 *s* 61 Church
Lunn, R., Jr. 3 *s*
66 Brinkerhoff, Jersey City
Luria, M. A. 3 *t* 103 Cook, Bklyn.
Lustgarten, A. gr t *540 W. 125*
Lute, N. I. 3 t *Whittier*
Luth, E. H. pl *54 W. 105*
Lutkins, A. M. nm t
57 Gamewell, Hackensack
Lyall, O. C. 3 t *327 W. 15*
Lydecker, C. A. *f a* 431 W. 117
Lyle, A. nm t *61 E. 130*
Lyman, F. 3 t *Whittier*
Lynch, C. J. p
Lynch, J. A. 2 *c* 250 Willis ave.
Lynch, K. C. 3 t *500 W. 124*
Lynde, E. D. B. *pl* 237 E. 104
Lynde, G. P. 3 *l* 155 W. 58
Lynn, G. 4 t *Whittier*
Lyon, A. T. 3 t *839 West End ave.*
Lyon, D. O. *ph* Mt. Vernon
Lyon, H. B. 3 t *503 W. 121*
Lyon, L. D. nm t *509 W. 122*
Lyon, L. G. *ph*
41 Hamilton ave., New Brighton
Lyon, L. H. *f a* Hartley
Lyons, E. M. 3 *t*
251 Smith, Bklyn.
Lyons, J. R. *ph* 600 W. 122

Ma, Y. C. *pl* Livingston
Maas, L. W. 4 *s* 260 W. 99
Maby, A. C. *nm l*
1244 Hancock, Bklyn.
Macauley, E. I. 2 b *328 E. 124*
MacCoull, N., Jr. 3 *s* 537 W. 121
MacDermott, S. S. 4 *s* 323 W. 84
MacDermut, R. L. nm t *Leonia*
MacDonald, B. N. 3 b
133 Richmond ave., Pt. Richmond
MacDonald, D. J. *gr t* Livingston
Macdonald, F. 2 *s* 510 W. 113
MacDonald, H. E. 1 b *219 E. 50*
MacDonald, L. A. 4 b
586 Summer ave., Newark
MacDowell, L. S. 3 t *415 W. 118*
MacGregor, K. M. 4 t
MacGuidwin, A. 3 t *52 W. 105*
Mackay, I. 3 t
19 S. B'way., Tarrytown
MacKay, J. K. gr t
3144 Heath ave., Kingsbridge
Mackay, S. I. 3 t *415 W. 118*
Mackenzie, G. M. 3 *m* Dobbs Ferry
Mackenzie, J. C., Jr. *f a* 122 E. 25
Mackey, R. J. 4 *c*
245 Summit ave., Jersey City
Mackie, C. E. nm t *72 Beaver*
Mackintosh, J. H. 4 *c*
Macklin, E. C. *ph* 600 W. 122
Mackzum, H. M. pl *529 W. 123*
Maclachlan, C. F. ph *401 W. 118*
MacLachlan, H. J. 1 *c*
87 N. Broadway, Yonkers
Maclagan, F. 3 t
107 Lafayette ave., Passaic
MacLean, D. A. 2 b 308–74, Bklyn.
MacLean, G. 3 *s*
110 Jaggar ave., Flushing
MacLeod, G. nm t
296 Ryerson, Bklyn.
Macmahon, A. W. 4 *c* Lyndhurst
MacNair, I. P. 1 *c*
587 Carlton ave., Bklyn.
Macpherson, L. B. 4 t *Whittier*
MacRossie, A. A. 2 *c* 429 W. 117
MacRossie, W. *pl* 429 W. 117
Maffucci, M. 3 *m*
Irvington-on-Hudson
Magary, A. E. *pl* South Orange
Magaw, G. 3 t *500 W. 121*
Magid, A. 3 b *1330 Bristow*
Maglietta, F. *ph* 231 Lafayette
Magnette, J., Jr. 2 *c*
73 Burnett, Newark
Maguire, C. F. 4 *s* 118 W. 84
Maher, W. J. *nm t* 162 E. 108
Mahler, A. B. 4 *1970 Hughes ave.*
Mahler, C. H. 3 *s* 215 W. 98
Mahler, L. ph *930 West End ave.*
Mahnken, A. H. ph
211b Mohegan ave.
Mahon, D. H. 4 b *229 W. 138*
Mahon, R. V. 3 *l* 229 W. 138
Maitland, M. O. nm t
41 Glen ave., Mt. Vernon
Malby, S. G. *nm s*
Murray Hill Hotel
Malleson, A. D. 1 b *2014 Fifth ave.*
Maloy, J. P. 3 *s* New Brighton
Mampel, C. J. 3 *s* 211 W. 107
Mandell, A. J. E. 2 *c* 524 Grand
Mandell, S. B. 3 *s* 132 E. 82
Mandl, M. M. 1 *c* 13 E. 119
Mandle, H. H. 2 *s* 201 W. 120
Manes, R. A. F. 3 *s*
414 Central Park, W.
Manges, E. L. *pl* 600 W. 122
Manheimer, W. A. *p* 607 W. 136
Manheims, P. J. 4 *m* 154 W. 129
Manice, W. De F. 1 *l* 6 W. 53
Mann, H. E. 3 t *515 W. 122*
Mann, J. 2 *c* 1302–67, Bklyn.
Mann, L. T. 2 *s*
7420–13 ave., Bklyn.
Manning, C. A. 3 *c* 144 E. 74
Manser, R. B. 2 b
31 Shady Side, Summit
Mapes, L. R. 3 *s* 505 W. 122
March, L. B. 4 t *"The Lowell"*
March, M. B. 4 t
81 Morningside ave., E.
Marchmont, J. H. 2 *l* Hartley
Marcus, B. K. 2 *l*
315 Riverside Dr.
Marcus, L. 1 *c*
406 Sackman, Bklyn.
Marcus, S. 3 *c*174 St. Nicholas ave.
Marcy, S. E. 4 t *501 W. 120*
Margolis, E. *ph* 601 W. 162
Margon, S. 1 *s* 80 E. 121
Margoshes, S. *pl* 284 S. 2, Bklyn.
Marion, P. 3 *c* 12 E. 39, Bayonne
Markham, R. H. *ph* 318 W. 121
Marks, A. D. 1 *l*
89 Willow, Bklyn.
Marks, R. 4 b *773 E. 183*
Marks, R. 1 b
15 Kenilworth Pl., Orange
Marks, W. B. 2 *c*
1114 Ward, Richmond Hill
Markwell, F. P. 1 b *27 W. 90*
Marley, R. J. 1 b
20 Mt. Pleasant ave., Newark

Marquardt, E. 4 *s* 974 First ave.
Marrs, L. E. p
1253 Amsterdam ave.
Martin, A. C. 4 b
43 Astor Pl., Jersey City
Martin, C. H. 2 b 26 Convent ave.
Martin, K. I. 3 t
165 Kearney ave., Perth Amboy
Martin, L. W. 1 b 178 E. 64
Martin, M. G. 3 t
91 Clinton ave., Bklyn.
Martin, N. L. 4 t Whittier
Martinson, H. 1 *m* 295 E. 10
Marvin, E. S. 3 t 611 W. 112
Marx, R. M. 3 *s* Hartley
Mary, B. K. ph Whittier
Mason, G. 1 *l* 207 W. 55
Mason, G. R. *ph* 1341 Clinton ave.
Mason, H. H. 2 *s* 4 W. 104.
Mason, M. H. 2 b
61 Monroe, Bklyn.
Mason, T. A. *ph* Hartley
Masson, H. J. 2 *s*
2377 Washington ave., Bklyn.
Masters, K. W. nm t Whittier
Mather, W. A. *ph* 16 W. 122
Mathes, F. P. 4 t 166 W. 129
Matheson, G. W. 2 *c*
609 Nostrand ave., Bklyn.
Mathews, E. A. 4 b 55 E. 175
Mathews, M. E. 3 t 142 W. 139
Mathews, W. E. 2 *c* 420 W. 121
Mathewson, C. A. *p*
996 St. John's Pl.
Mathison, E. 2 b 547 Broome
Matteson, L. J. 1 *l*
24 Urban, Mt. Vernon
Matthews, H. H. 1 *c* 625 W. 156
Matzner, P. A. 4 t
471 Central Pk., W.
Maul, W. F. 4 *c* 239 W. 105
Maurer, G. L. 4 *c* 619 W. 113
Maurice, S. 4 *c* 565 W. 113
Maxwell, C. L. M. 2 b Brooks
May, M. 1 *c* 550 W. 157
Mayer, C. M. 1 b 41 E. 72
Mayer, E. 3 *m* 263 Alexander ave.
Mayer, E. T. 2 b
Corona Park, Corona
Mayer, J. W., Jr. 1 *c*
440 West End ave.
Mayer, M. D. 4 *c* 247 E. 71
Mayer, M. L. nm t
59 Willard ave., Bloomfield
Mayer, T. ph 41 E. 72
Mayer, V. 4 t 849 St. Nicholas ave.
Maynard, F. A. nm t 42 E. 28
Maynz, T. 4 *s* 981 Madison ave.
Mayo, L. C. 4 t 503 W. 122
Maze, M., Jr. 2 *s* 322 W. 57
McAdoo, F. H. 2 *l* Irvington
McCain, J. R. *pl* 433 W. 124
McCallum, J. D. 2 *c*
625 Bloomfield ave., Nutley
McCann, D. F., Jr. 2 *m*
312 Ave. C., W. Bklyn.
McCarthy, J. S. *p*
19 Martha Pl., Passaic
McCarthy, W. 2 *l* 609 W. 127
McChesney, E. nm t 544 W. 149
McChesney, J. *ph*
35 Park, Montclair
McClane, M. 4 t 604 W. 125
McClees, H. ph 420 W. 118
McClelland, G. F. 4 *s* 656 W. 178
McClelland, G. H. *pl*
156 Penn, Bklyn.
McClenon, W. H. *pl*
3422 Bailey ave.
McClure, E. G. 4 t 24 W. 12
McClure, E. J. C. 4 t
7 Glenada Pl.
McClure, H. 4 t 1987 Morris ave.
McClure, M. T. *ph* 619 W. 113
McCluskey, W. 4 *t* 416 W. 122
McCollister, A. 3 t 283 Rivington
McConnel, D. R. *gr t* Hartley
McCord, E. M. *nm t*
21 Manhattan ave.
McCorkle, D. S. *pl* 600 W. 122
McCormack, J. R. 3 t 439 W. 162
McCormick, E. K. 3 t 419 W. 121
McCormick, E. T. 4 t 419 W. 121
McCormick, J. K. 3 *c* 237 E. 48
McCrackan, R. F. *p* 338 E. 26
McCrae, A. 4 t 526 W. 114
McCrary, G. f a 257 W. 104
McCreary, H. J. *gr t*
158 Garfield Pl., Bklyn.
McCrodden, E. V. 2 b 103 E. 112
McCurdy, U. F. 4 *m* 318 W. 57
McCurry, D. E. *pl* 2409 Grand ave.
McDanell, L. gr t Whittier
McDonald, L. L. 3 t Whittier
McDonnell, J. H. *f a* 419 W. 115
McDuffie, P. 3 t
100 Cathedral Parkway
McElhinny, J. J. 1 *c* 34 W. 129
McElvare, G. G. 3 *c*
231 Decatur, Bklyn.
McElvare, R. R. 2 *c*
231 Decatur, Bklyn.
McEntegart, T. E. 2 *l* 360 W. 51
McFarland, D. S. 4 *t* Hartley

McFarlane, J. gr t
90 Morningside Dr.
McGavock, M. B. M. 4 t Whittier
McGill, H. E. 3 *s* 371 W. 120
McGinley, A. A. ph 443 Fourth ave.
McGinley, J. J. 4 *s* 62 Morton
McGinley, S. E. *pl* 175 Ninth ave.
McGinnis, R. C. 2 *s* 522 W. 123
McGivney, V. I. 3 b
789 West End ave.
McGowan, M. V. nm t Whittier
McGowin, M. O. gr t 501 W. 125
McHale, W. J. 1 *c* 542 W. 162
McIntyre, K. A. *nm s*
404 Union ave., Mt. Vernon
McIntyre, M. E. 4 t
McIver, F. F., Jr. 4 *s* 419 W. 119
McKean, L. S. 4 t
100 Morningside Dr.
McKechnie, M. W. 4 t 423 W. 118
McKeever, E. J. gr t 521 W. 149
McKenna, E. L. 3 *c*
235 McDonough, Bklyn.
McKenna, J. A., Jr. 1 *s* Westbury
McKenzie, I. 4 b
67 Lenox ave., East Orange
McKeown, M. J. gr t
549 Riverside Drive
McKeown, S. A. 4 *s*
549 Riverside Dr.
McKillip, R. pl 3 Gramercy Pk.
McKinney, A. H. 3 t Whittier
McKirshau, W. W. *p* 416 W. 118
McKnight, W. A. 3 *s* Hartley
McLain, H. O. 3 *l* Livingston
McLane, F. M. gr t 229 W. 126
McLaughlin, G. M. 2 b
951 Morris ave.
McLaughlin, G. M. 4 t
121 Herriman ave., Jamaica
McLaughlin, W. 3 *s* 225 W. 86
McLaury, H. E. H. 4 t 27 W. 129
McLean, C. V. *ph* 600 W. 122
McLean, E. H. 4 *m* Whittier
McLemore, E. B. Mrs. ph
520 W. 123
McLemore, W. D. 4 *t* 520 W. 123
McLeod, R. H. 4 *s*
118 Park Pl., Passaic
McLoughlin, F. O. X. 4 *s*
770 St. Nicholas ave.
McMackin, F. J. 4 *c* 401 W. 118
McMahon, D. F. 3 *l* 363 W. 55
McManus, J. P. 2 *l*
451–52, Bklyn.
McNally, M. ph 420 W. 116
McNulty, D. S. 2 *c* 420 W. 130
McPheeters, J. D. L. 4 *m*
239 W. 76
McPherson, C. W. J. 1 *m* 37 W. 54
McQueen, K. 3 t 417 W. 120
McSorley, J. *pl* 415 W. 59
McTavish, D. C. *pl* 526 W. 123
McVickar, H. I 2 b
269 N. Fulton ave., Mt. Vernon
McVicker, H. B. 2 *l* Livingston
McWilliams, N. B. 3 *m* 231 W. 69
Mead, C. D. *gr t* 425 W. 124
Mead, M. J. f a 537 W. 121
Mead, W. nm t 405 W. 118
Mears, J. H. *nm c* Hotel Rector
Mebane, T. S. 3 *m* 346 W. 57
Mechanic, J. 1 *s*
533 Knickerbocker ave., Bklyn.
Medina, H. R. 3 *l* 527 W. 143
Meeker, C. H. 3 *t* 117 W. 130
Meenan, D., Jr. 2 *c* 35 W. 88
Mehler, E. S. 4 b 322 W. 100
Mei, H. C. *pl* 457 W. 123
Meierhof, H. L. 1 *c*
1140 Madison ave.
Meisel, C. J. W. 1 *l* 536 W. 114
Meissner, C. E. 3 *s* 627 W. 113
Meleney, H. E., 1 *m*
15 Wellington Court, Bklyn.
Melitzer, E. B. 3 *s* 246 Rivington
Mellen, E. K. nm t Port Chester
Mellen, H. L. 4 *s* Hartley
Melsha, J. C. 3 b
72 Greene ave., Bklyn.
Melvin, H. M. 3 t
299 New Main, Yonkers
Mendelson, A. 4 *m*
943 St. John's ave.
Menhennick, C. J. 4 *t* 633 W. 115
Menken, H. D. 1 *c*
791 West End ave.
Mercado, L. M. nm t 500 W. 121
Merrell, C. F. 3 *l* Livingston
Merriam, B. E. *gr t* 421 W. 121
Merrett, C. C., Mrs. ph
180 Claremont ave.
Merritt, A. H. 4 t Whittier
Merritt, H. B. 1 *m* Livingston
Merritt, G. H. 1 *l* Livingston
Merryman, A. P. 1 *l* 537 W. 149
Mertz, H. E. 1 b Port Chester
Mertz, P. A. *gr t*
111 Manning ave., Plainfield
Meseroll, S. 4 t
235 State, Hackensack
Messenger, H. A. p 569 W. 150
Metz, L. E. 3 t 414 W. 118
Meyer, Anna, ph 907 St. John's ave.

Meyer, C. H. 4 *c* 139 W. 86
Meyer, C. L. W. *pl* Livingston
Meyer, E. S. 1 b *139 W. 86*
Meyer, F. P. 3 t *103 W. 136*
Meyer, H. 3 t *15 Cedar Pl., Yonkers*
Meyer, H. L. 1 *c* 50 W. 77
Meyer, I. D. 1 b *126 W. 78*
Meyer, L. M. 2 b *Hotel "Ansonia"*
Meyer, M. N. 1 b *Brooks*
Michael, J. C. 3 *l* Livingston
Michaels, L. 1 *m* 925 Jackson ave.
Middleton, F. p *366 St. Nicholas ave.*
Mignon, H. L. 4 t *Whittier*
Milbank, R. W., Jr. 1 *c*
Riverdale-on-Hudson
Miler, E. O. gr t *311 E. 196*
Miles, S. 4 t *519 W. 121*
Milheiser, C. F. 3 *c* Livingston
Millar, M. E. 1 b *Westwood*
Miller, A. J. *ph* 600 W. 122
Miller, A. M. 4 t *112 W. 102*
Miller, E. nm t *120 W. 82*
Miller, E. P., Jr. *gr t*
1262 Waverly Pl., Elizabeth
Miller, E. S. nm t
54 Franklin Pl., Summit
Miller, F. 3 *s* 604 W. 114
Miller, H. J. 1 *s*
495 Argyle Rd., Bklyn.
Miller, H. R. *pl* 401 W. 118
Miller, H. W. 2 *c* 558 W. 113
Miller, I. *gr t* 253 Madison
Miller, J. C. *gr t* Livingston
Miller, J. S. 2 *s* 565 W. 113
Miller, M. C. 3 t *412 Ninth ave.*
Miller, M. I. pl
197 Summer, Stamford
Miller, M. M. 3 t *Whittier*
Miller, M. V. 1 *m* 346 W. 57
Miller, S. E. 1 *c* 20 W. 126
Miller, W. R. 4 *s* 536 W. 114
Milligan, G. L. B. nm t
92 Hamilton ave., Yonkers
Millman, I. S. 1 *s*
416 Hopkinson ave., Bklyn.
Millner, J. A. *nm s* 519 W. 123
Millot, H. D. nm t *430 W. 119*
Mills, F. A. 2 b *600 W. 125*
Mills, M. E. 3 t *1647 Richmond T'pke, W. New Brighton*
Milmore, O. L. *pl* Hartley
Minahan, M. E. gr t *500 W. 121*
Miner, M. E. pl *509 W. 121*
Miner, R. W. *p*
Amer. Museum Nat. Hist.
Miner, S. L. 2 b *235 W. 109*
Minervini, V. 3 *m* 247 E. 115
Minnick, J. D. *gr t* 202 W. 102
Minor, J. H. 4 *c* 550 W. 114
Minor, S. B. 4 b *Brooks*
Minsky, H. K. 4 *c* 93 Second ave.
Mirsky, I. *p* 182 E. 72
Misch, A. I. 4 b *921 Trinity ave.*
Mischlich, H. L. 1 *c*
820 President, Bklyn.
Mistretta, J. 3 *m* 315–17 E. 29
Mitchell, B. M. 4 t *421 W. 120*
Mitchell, E. nm t *420 W. 119*
Mitchell, L. L. Mrs. 3 t *122 W. 94*
Mitchell, R. B. 4 t *17 W. 95*
Mix, G. E. 4 t *3100 B'way*
Mock, F. C. 3 *s*
647 E. 29, Bklyn.
Moffett, H. C. 4 *s* Hartley
Moffett, M. L. 3 t *Whittier*
Möhle, J. E. 1 b *2341 Andrews ave.*
Mohr, W. R. 3 *c* 530 W. 142
Moitrier, W., Jr. 3 *m*
454 Putnam ave., Bklyn.
Moncure, E. C. 4 t
Monosmith, G. W. 2 *l*
Monroe, M. M. 1 b
392 Clinton ave., Bklyn.
Montanaro, F. B. 2 *f a* 159 Prince
Montgomery, E. A. 4 t *503 W. 121*
Montgomery, E. E. 3 t
12 E. Radford, Yonkers
Montgomery, G. L. 4 *s*
76 Morningside Dr.
Montgomery, P. O'B. 2 *s* Hartley
Montgomery, S. L. ph *503 W. 121*
Montgomery, W. R. *pl*
Union Theol. Sem.
Moody, J. E. p
40 Cambridge Pl., Bklyn.
Mook, C. C. 2 *c* Metuchen
Moon, E. A. p *436 Manhattan ave.*
Moon, P. Le R. 3 *c*
68 Cornell ave., Yonkers
Moore, A. E. gr t *420 W. 119*
Moore, A. P. 4 *c*
135 Franklin, Astoria
Moore, C. A. 3 *c* Hartley
Moore, C. A. 1 *m* Hartley
Moore, C. M. G. 3 t
177 & Riverside Dr.
Moore, D. M. 3 *s* Hartley
Moore, J. A. p *546 W. 124*
Moore, J. I., Jr. 4 *s*
1787 Undercliff ave.
Moore, M. M. 3 t *400 W. 118*
Moore, N. A. 4 t
254 Franklin, Bloomfield
Moore, R. B. 3 *m* 366 W. 57

Moore, W. V. 1 *c*
767 Eastern P'kway, Bklyn.
Moorhouse, E. B. 1 *c*
37 W. Main, Tarrytown
Morbio, C. S. *nm l* 419 W. 115
Mordecai, L. 4 b *319 W. 105*
Morgan, A. R. *pl* 175 Ninth ave.
Morgan, D. T. 1 b *613 W. 146*
Morgan, E. P. sp b *135 E. 66*
Morgan, H. M. *nm t*
23 Union ave., New Rochelle
Morgan, L. *f a*
50 Jefferson ave., Jersey City
Morgan, M. 1 b
558 Valley Rd., Upper Montclair
Morgan, W. F., Jr. 1 *s* Short Hills
Morgenthau, L. R. 1 b *161 W. 91*
Moriarty, L. P. 1 *c*
Morison, M. B. gr t *105 W. 77*
Moritz, C. C. 1 b *Brooks*
Morrey, W. T. *pl* 535 W. 111
Morrill, A. H. 3 *s* 530 W. 122
Morris, A. 3 *t* 1574 Madison ave.
Morris, E. M. p *396 E. 171*
Morris, G. E. 3 b *396 E. 171*
Morris, L. R. 1 *c* 18 E. 60
Morris, M. F. gr t *509 W. 121*
Morris, R. M. *f a*
234 Hancock, Bklyn.
Morris, S. ph *Brooks*
Morrison, I. D. 4 b *309 W. 86*
Morrison, R. H. 1 *l* Livingston
Morrison, S. T. B. 2 *l* 401 W. 118
Morrison, W. J. *gr t*
319 Stratford Rd., Bklyn.
Morrison, W. R. 2 *m* 346 W. 57
Morse, H. N. *pl* 600 W. 122
Morse, L. T. 4 *t* 230 Keap, Bklyn.
Morton, I. A. *ph*
853 Richmond ave., Pt. Richmond
Moscowitz, H. H. 3 *t*
762 Hewitt Pl.
Moses, A. S. 4 *c* 558 W. 113
Moses, E. F. 3 *l* 222 E. 61
Moses, F. 3 t *Whittier*
Moses, J. 1 *m* 343 E. 10
Moses, M. L. 1 b *8 E. 127*
Moses, S. ph
228 Westchester ave., Mt. Vernon
Moskowitz, D. E. 4 *t*
137 & Amsterdam ave.
Moskowitz, D. H. 2 *c*
1722–79, Bklyn.
Moss, A. B. *ph* 23 E. 127
Moss, E. J. ph *23 E. 127*
Moss, H. H. 2 *s* 531 W. 113
Moss, L. B. 3 t *511 W. 122*
Mossman, J. M., Jr. 1 *s*
Bretton Hall
Mottley, F. W. *pl* 600 W. 122
Mount, F. R. 4 *m* 161 W. 61
Mount, H. E. 2 b *244 W. 122*
Mountsier, A. R. *ph* 417 W. 118
Mowatt, A. J. W. *pl*
Drew Theol. Sem. Madison
Moynahan, R. M. 1 b
2011 Fifth ave.
Moyse, N. 1 t *310 W. 93*
Mudd, H. S. 4 *s* 616 W. 113
Muehleck, L. E. 3 t
115 Oak, Hoboken
Mueller, H. H. 1 *c* Bronxville
Muench, A. A. *phar* 7 W. 65
Mueser, E. 1 *s* 3260 Hull ave.
Mufarrij, T. 4 *c* 414 W. 118
Muir, H. L. nm t *129 W. 92*
Muir, J. N. *gr t* 535 W. 111
Mulhall, E. F. 2 b *315 W. 97*
Mullen, I. M. nm t *Whittier*
Mullen, J. A. 1 *l* 420 W. 84
Müller, C. A. 1 *s* 102 W. 115
Muller, E. K. 1 b
25 Clinton ave., Clifton, N. J.
Müller, M. K. nm t *695 E. 170*
Muller, R. T. *f a* 108 Third ave.
Mulqueen, J. F., Jr. 2 *l*
888 Park ave.
Mulqueen, M. K. 3 b
888 Park ave.
Mulwitz, J. 3 *c*
89 Haseco ave., Port Chester
Mumford, A. R. 3 b *501 W. 124*
Mumford, M. B. 2 b *501 W. 124*
Munger, F. E. nm t *430 W. 119*
Munro, E. 3 t
161 Emerson Pl., Bklyn.
Munro, M. F. 1 nm t
854 ave. C, Bayonne
Munro, S. H. nm t *27 W. 131*
Muravchik, R. B. pl *58 E. 103*
Murdoch, K. 4 t *Whittier*
Murdoch, L. M. ph *Brooks*
Murnane, C. R. 1 b
274 Degraw, Bklyn.
Murnen, A. L. 2 *c* 318 W. 57
Murphy, E. A. 4 *s* Livingston
Murphy, E. J. 4 t *512 W. 122*
Murphy, G. B. 1 *c* 104 W. 102
Murphy, H. A. 1 b *16 E. 130*
Murphy, I. C. 3 b
38 Fulton, Weehawken
Murphy, J. A. 1 *c* Hartley
Murphy, J. F. *f a* 431 W. 117
Murphy, J. J. 1 *l* Hartford, Conn.

Murphy, W. H. *p* Livingston
Murray, C. R. 4 *m* 725 Home
Murray, E. W. 1 *s* Hartley
Murray, H. F. 4 *m* 431 W. 117
Murray, R. C. *pl* 420 W. 119
Murrill, P. S. *gr t* Bronxwood Pk.
Mutscheller, A. 1 *c*
German Hospital
Myers, A. J. W. *ph* 600 W. 122
Myers, A. S. *ph* 309 W. 70
Myers, D. H. 2 *l* Hotel Ansonia
Myers, E. 4 b *411 W. 115*
Myers, G. C. *ph* 215 W. 105

Nabersberg, B. 4 t *155 E. 70*
Nacht, V. 2 *s* 167 W. 136
Nadler, C. 3 *t* 2127 Bergen, Bklyn.
Nagourney, I. *gr t* 212 E. B'way.
Nahon, Z. ph *859 Kelly*
Nakano, I. *pl* 17 Concord, Bklyn.
Nammack, C. H. 4 *m* 42 E. 29
Nammack, E. F. ph
90 Morningside Dr.
Nándor, W. *pl* 540 W. 156
Nanes, P. *pl* 473 Hancock, Bklyn.
Nankin, I. 2 *c* 91 Meserole, Bklyn.
Naravane, S. G. 3 *s* 331 E. 51
Natanson, D. M. 2 *m* 45 W. 112
Nathan, E. 3 t *59 W. 104*
Nathan, R. G. 1 b *127 W. 74*
Nauheim, M. *f a* Far Rockaway
Naumburg, M. S. 3 b *137 W. 74*
Nauss, H. G. 1 *s* 2361 Morris ave.
Navon, S. 1 *s* 67 E. 114
Neacy, A. 3 b *Brooks*
Neagle, G. M. 4 t *Whittier*
Neal, G. ph *Whittier*
Nealon, K. E. ph
51 Prince, Paterson
Needham, H. 4 t *Whittier*
Neel, H. C. *ph* 529 W. 123
Neff, C. A. *pl* 600 W. 122
Neidle, M. *p* 108 Pitt
Nekarda, V. F. 1 *c* 504 E. 86
Nelson, S. A. C. 1 b *224 E. 40*
Nemser, M. *phar* 88 First ave.
Nesmith, M. E. 4 t *Whittier*
Neugass, M. 3 b *415 W. 145*
Neuhall, A. H. *pl* 19 E. 41
Neuman, D. L. 3 *s*
1602 Madison ave.
Neumann, E. 2 *c*
210 Stockton, Bklyn.
Neville, E. S. 4 t
704 Quincy, Bklyn.
Nevin, W. M. 1 *c*
68 & Colonial Rd., Bklyn.

Newbold, E. G. 3 t *Whittier*
Newbury, M. C. 4 t *512 W. 122*
Newcomb, H. F. 1 *c*
Central ave., Richmond Hill
Newcomb, M. H. nm b Dretton Hall
Newfield, L. A. 1 *m*
33 Thatford ave., Bklyn.
Newhouse, E. L., Jr. 3 *s* 627 W. 115
Newman, A. *pl* 441 W. 124
Newman, M. M. gr t *420 W. 121*
Newman, M. R. 3 b *44 E. 68*
Newmark, S. 3 b *951 Sherman ave.*
Nichols, C. F. 1 *m* 362 W. 57
Nichols, E. W. 1 b *42 W. 11*
Nichols, M. nm b
21 Park ave., Mt. Vernon
Nichoson, A. A. 1 *c*
390 Fairmount ave., Jersey City
Nickel, A. R. *ph*
297 Adelphi, Bklyn.
Nicol, M. S. nm t *Whittier*
Nicola, L. N. 2 b *Cedar Grove, N. J.*
Nicolson, E. E. 3 t *Whittier*
Nielsen, L. H. 1 *c* 666 Dawson
Nienburg, F. J., Jr. *f a* 399 W. 12
Nigrin, J. V. *p* 504 E. 79
Niles, E. C. J. ph
92 Morningside Dr.
Niles, F. L., 2 *m* 345 W. 57
Nilson, S. J. 4 *m* Livingston
Noble, K. 3 b *304 W. 77*
Noble, R. 2 *l* 304 W. 77
Nolan, J. F. 1 *c*
75 Linden, Yonkers
Nolte, A. C. 2 *s* 155 W. 83
Noonan, M. E. nm t *Whittier*
Noonan, R. L. 1 *c*
102 Oakland, Bklyn.
Noorian, N. Z. 4 *s* 209 E. 29
Nordlinger, H. H. 4 *c* 45 E. 80
Norek, A. 1 *c* 1544 Union, Bklyn.
Normandeau, R. M. 3 t
72–4, Elmhurst
Norris, F. E. 3 *l* Hartley
Norris, W. M., Jr. 4 *s* Livingston
North, E. M. *pl* 121 W. 122
North, S. M. *gr t* Hartley
Northrop, J. H. 4 *c* 608 W. 113
Norton, A. E. nm t *Whittier*
Norton, A. R. 4 *s* Hartley
Norton, D. A. 3 *l* Livingston
Norton, K. B. 4 c 30 E. 55
Nositzer, G. 2 *s* 217 W. 111
Noska, E. V. *gr t* 3211 Park ave.
Notman, W. pl
136 Joralemon, Bklyn.
Nourse, C. J. 3 *l* 245 Lexington ave.

Nowak, A. *pl* 77 E. 115
Noyes, I. F. 3 b
324 Westchester ave., Port Chester
Nudd, H. W. *pl* Livingston
Nussbaum, B. 2 *c* 150 & B'way
Nye, B. H. *pl*
118 Locust Hill ave., Yonkers
Nyitray, L. 4 b 983 Lexington ave.
Nyland, F. C. 2 *c* 627 W. 113

Oakley, G. W., Jr. 1 *c*
Pleasantville
Oberndorfer, M. pl 523 W. 121
O'Brien, C. E. p 108 E. 83
O'Brien, E. 1 b 729 Park ave.
O'Brien, M. M. 3 t
1299 Franklin ave.
O'Byrne, M. A. *ph* 349 W. 121
Ochs, I. B. 2 b 308 W. 75
O'Connell, M. p 616 W. 182
O'Connor, G. W. 1 *s* 268 W. 93
O'Donnell, A. M. 4 t
Forest Hill, Newark
O'Donnell, A. V. 3 *nm s* 359 W. 120
O'Donnell, F. G. E. 1 b
2681 Briggs ave.
O'Donnell, R. C. 3 *s* 359 W. 120
Oehlers, H. C. *phar* 424 E. 15
Oellrich, P. F. 4 b
48 Cambridge, East Orange
Oelrichs, H. 1 *c* 1 E. 57
Oerzen, E. 1 b 1022 Woodycrest ave.
Oerzen, E. M. 3 b
1022 Woodycrest ave.
Oestermeyer, L. nm t 419 W. 145
Officer, H. G. 3 *s* 417 W. 118
O'Flanagan, E. 4 *c* 237 W. 115
Ogden, A. 3 *l* 612 W. 116
Ogden, H. 4 t
39 Highland ave., Orange
O'Geran, A. S. 4 t 420 W. 118
Ogino, T. *pl* 571 W. 159
Ohlssen, W. C. 2 *s* 407 E. 134
O'Kane, R. G. 2 *s* 417 W. 120
O'Keefe, M. A. 3 t Whittier
O'Keeffe, L. L. 4 t
Orthopædic Hospital, White Plains
O'Keeffe, M. I. 3 t 434 W. 20
Okuntsoff, E. pl 108 E. 12
Old, A. V. O. 4 t
214 Walnut, Montclair
Oldfield, C. B. 2 *c* Hartley
Oldfield, H. L. *ph* 600 W. 122
O'Leary, J. G. 3 *m* 325 W. 58
Oleri, F. 1 *s* 27 Catherine
Olin, C. H. gr t Whittier
Olinger, H. C. *ph* 75 W. 46
Oliver, M. P. 4 t Whittier
Olmsted, C. E. 1 *s* 419 W. 118
Olsen, A. M. 4 t Whittier
Olson, I. V. 4 t 540 W. 122
Olson, O. T. *ph*
662 Putnam ave., Bklyn.
Olt, H. 2 *s* 414 E. 134
O'Neale, J. S., Jr. 1 *c* 600 W. 114
O'Neill, J. A. 3 *c* 408 W. 115
Ongley, L. E. ph 425 W. 114
Oni, K. *pl* 17 Concord, Bklyn.
Oppenheim, E. gr t 13 W. 88
Oppenheimer, B. H. nm t
204 W. 137
Oppenheimer, L. M. 1 b
777 West End ave.
Ord, A. A. 2 b 851 W. 181
O'Reilly, J. A. 4 *m* 18 E. 131
O'Reilly, V. L. 4 *m* 226 W. 137
Orliansky, J. B. 3 t 13 W. 112
Ormont, B. 4 *s* 558–9, Bklyn.
Ormsbee, H. G. 1 b Brooks
Ormsbee, R. H. 1 *s* Hartley
Ornstein, M. pl 315 Second ave.
O'Rourke, M. 4 b
19 Lake, White Plains
Orr, F. L. 4 t Whittier
Orthey, G. F. 1 *s*
36 Marcy ave., Bklyn.
Osborn, A. nm b 40 E. 36
Osborn, H. 4 *t*
107 Hobart ave., Summit
Osborne, A. A. *pl*
6 Park Pl., Newark
Osborne, E. W. 3 *l*
417 Riverside Dr.
Osborne, M. H. *nm t* 245 W. 104
Osgood, H. S. 1 *c* 526 W. 150
Osserman, H. A. 3 *c*
17 Sterling Pl., Edgewater
Oster, J. E. *pl* 530 W. 123
Osterberg, R. A. 3 b 103 E. 123
Osterholm, C. A. *nm t*
350 Bergen, Bklyn.
Osterhout, E. H. 3 *l* 604 W. 114
Osterhout, J. nm t 257 W. 104
Osterhus, G. K. 1 *c*
611–53, Bklyn.
Osterhus, P. O. *gr t* Hackensack
Osterman, C. K. 1 *c*
436 Central ave., Jersey City
Ostroff, R. 4 t 60 E. 122
Ostruck, E. F. 1 b 114 W. 86
O'Sullivan, R. A. 2 b 220 W. 71
O'Sullivan, T. F. 4 *c* 176 E. 81
Otten, E. M. 3 b
34 Jefferson ave., Bklyn.

Overton, J. A. 1 *m*
355 Crimmins ave , Hastings-on-Hudson
Owen, I. B. 4 t
Owens, E. A. 2 b
291 Stuyvesant ave., Bklyn.
Owens, R. p *752 West End ave.*

Paashaus, L. F. 3 t
940 E. Grand, Elizabeth
Pace, O. 1 *c*
114 Seventh ave., Newark
Packard, A. J. *nm t* Norwood
Packard, C. *p* Hartley
Paddock, A. M. 1 b *149 W. 72*
Paddock, E. H., Jr. 4 *c* 149 W. 72
Paddock, R. 2 *m* 141 W. 70
Page, D. T. *gr t*
127 Prospect Pl., Rutherford
Page, W. E. *f a* Hartley
Paine, E. W. 3 *m* 346 W. 57
Paine, M. D. 3 t *200 W. 70*
Pake, R. E. nm b *Brooks*
Paleg, S. 3 *m* 317 W. 44
Palen, H. W. 1 *s*
440 Riverside Dr.
Pallen, C. deS. 2 *m*
197 Weyman ave., New Rochelle
Palley, D. M. 1 *l*
1412 Pitkin ave., Bklyn.
Palmer, A. F. 3 t *557 W. 144*
Palmer, E. 1 *l*
70 Lefferts Pl., Bklyn.
Palmer, E. 1 b
828 St. Nicholas ave.
Palmer, E. A. pl *656 W. 178*
Palmer, F. 2 b *442 E. 136*
Palmer, L. L. *nm t* Livingston
Palmer, M. L. ph
272 St. James Pl., Bklyn.
Palmer, R. S. 1 *c* 344 W. 84
Pandya, T. R. *gr t* Livingston
Pangborne, J. K. pl
15 Dixon, Tarrytown
Panuska, F. C. *nm t* 418 E. 72
Parcel, E. E. 1 t *417 W. 120*
Pardee, I. H. 3 *c* 74 W. 48
Park, E. A. *f a* Hartley
Park, J. H. 4 *c* Milburn
Parker, C. M. 4 t *530 W. 122*
Parker, C. W. *pl* 403 W. 115
Parker, L. A. 4 t *Whittier*
Parker, M. A. 4 t *Whittier*
Parker, R. A. *ph* Hartley
Parks, E. T. 3 b *129 W. 76*
Parlett, M. E. 4 t *420 W. 121*
Parramore, J. B. F. 4 t *419 W. 121*
Parrott, E. L. 4 t *Whittier*
Parsons, E. F. gr t *Whittier*
Parsons, L. S. pl *99 Park ave.*
Parsons, W. B., Jr. 2 *m* 35 E. 50
Pascarella, F. 3 *l* 232 W. B'way
Paslay, M. G. ph *430 W. 119*
Passover, G. C. 1 *m* 606 W. 115
Paszek, L. F. 1 *c*
308 Seventh ave., Bklyn.
Patchell, F. J. 3 *s* Hartley
Patchin, M. A. gr t *511 W. 122*
Paterson, S. *f a* 431 W. 117
Paton, T. B., Jr. 2 *l* 1777 Clay ave.
Patrick, S. L. nm t *Whittier*
Patten, M. I. 4 t *Whittier*
Patterson, G. S. 2 *s* 616 W. 113
Patterson, H. M. 4 t *431 W. 121*
Patterson, J. E. 3 *s* Livingston
Patterson, R. C., Jr. 4 *s* Livingston
Patterson, W. A. 1 *c* Ward's Island
Patteson, K. nm t
Patteson, L. M. 3 t *Whittier*
Pawley, A. 1 b *610 W. 152*
Paynter, R. H., 3d 4 *c*
1205 Fulton, Bklyn.
Peacock, W. F. *f a* Hartley
Pearce, G. G. 4 *m* 322 W. 57
Pearl, J. *ph* 1375 Franklin ave.
Pearson, G. M. 3 b
Home Park, New Rochelle
Pearson, L. E. 3 *t*
1288 Amsterdam ave.
Pearson, M. E. 3 t
1288 Amsterdam ave.
Pearson, P. C. *ph*
27 Cottage Pl., Ridgewood
Pechar, R. G. 1 *s*
Fort Wash. ave. & 198
Peck, C. F. nm t *Whittier*
Peck, E. S. ph
515 Clinton ave., Bklyn.
Peck, F. E. 4 t *Whittier*
Peck, G. B. sp b *Brooks*
Peck, J. S. 1 *s* 412 W. 115
Peck, M. P. 2 b *48 E. 89*
Peckham, G. W., Jr. *ph* Livingston
Pedersen, F. M. *p* 452 W. 144
Pedrick, F. B. *ph* 419 E. 57
Peeples, T. K. 2 *l*
100 Morningside Dr.
Peet, G. D. 3 *s*
1090 Amsterdam ave.
Pell, V. D. 1 *s* 234 W. 122
Pelton, C. W. 3 *t*
Albion Pl., Paterson
Peltz, G. M. 1 *s*
123 Fourth, Elmhurst

Pendleton, E. gr t *Whittier*
Pendleton, V. pl *418 W. 118*
Pennock, L. ph
15 College ave., Tarrytown
Peper, M. nm t
735 Elmore Pl., Bklyn.
Percival, M. ph *609 W. 127*
Perkins, E. N. 3 *l* Livingston
Perlman, D. H. *ph* 62 E. 117
Perlman, G. H. 1 b
1988 Madison ave.
Perlowitz, C. 3 *c*
600 Quincy, Bklyn.
Perlzweig, W. A. 2 *c*
1421 Prospect ave.
Pero, S. E. 3 b *30 Convent ave.*
Perry, E. O. *ph* 26 Jones
Perry, T. A. 2 *l* 540 W. 113
Perry, W. H. *ph* 600 W. 122
Person, C. 2 *s* 536 W. 114
Person, C. W. 2 *c* 536 W. 114
Peters, A., Jr. 2 *m* 346 W. 57
Peters, A. G. 3 *t*
943 Grove, Elizabeth
Peters, J. P., Jr. 3 *m* 227 W. 99
Peters, R. nm t *172 W. 77*
Peters, W. F., Jr. 4 *s*
431 Riverside Dr.
Petersen, A. E. 2 *s* 565 W. 113
Peterson, A. E. *pl*
Morris High School
Peterson, C. W. 2 *c*
58 Manhattan ave.
Peterson, H. B. 1 b
21 Jackson, New Rochelle
Petri, L. A. 2 b
278 Decatur, Bklyn.
Pettit, G. E. 1 *l* Far Rockaway
Pfau, A. L. 4 t
90 Morningside Dr.
Pfeiffer, B. L. 4 *s* Hartley
Pfeiffer, P. A. *p*
714 Washington, Hoboken
Philips, H. B. 2 *m*
1632 Madison ave.
Phillips, C. D. nm t
High Bridge, N. J.
Phillips, E. 4 t *35 Riverside Dr.*
Phillips, G. W. 4 t *72 E. 82*
Phillips, H. S. gr t *35 Riverside Dr.*
Phillips, J. D. 3 *s* 14 E. 113
Phillips, M. nm t *Whittier*
Phillips, R. B. 2 *c* 404 W. 116
Phillips, W. C. *ph* Livingston
Phillipson, B. F. 3 *s* 3905 B'way
Philp, M. I. ph
126 Macon, Bklyn.
Philson, B. 1 *l* Livingston
Philson, S. *ph* Livingston
Phipps, F. H. 2 *c*
102 S. Sixth ave., Mt. Vernon
Phipps, F. L. *nm l* Livingston
Phipps, W. G. 3 *m*
102 Sixth ave., Mt. Vernon
Piccirilli, P. J. 1 *s* 704 Eagle ave.
Pick, T. *ph* 41 E. 72
Picken, M. E. 4 t *Whittier*
Pickett, E. B. 3 t *510 W. 124*
Picketts, B. L. ph *Whittier*
Pickhardt, E. G. phar
1042 Madison ave.
Pickhardt, O. C. 4 *m*
1042 Madison ave.
Pierce, A. R. ph *215 E. 15*
Pierce, E. C. 3 t *Cranford*
Pierce, M. 4 t *102 W. 89*
Pierce, W. L., Jr. 1 *l*
Palisade ave., Englewood
Pierpont, J. H. 2 b
29 Church, White Plains
Pierrepont, R. S. 3 *l*
216 Columbia Hgts., Bklyn.
Pierson, M. nm t
12 Glenada Pl., Bklyn.
Pierson, W. W. *pl* 519 W. 123
Pietsch, N. Y. nm t
247 Clarkson ave., Bklyn.
Pifer, C. A. *ph* Hartley
Pike, S. M. 2 *c*
867 Hunts Point ave.
Pillsbury, M. E. 3 t *14 Irving Pl.*
Pilnacek, E. A. 1 *s* 425 E. 71
Pinchook, B. P. 3 *s*
215 Willoughby, Bklyn.
Pincus, S. 2 *c* 1800 Seventh ave.
Pineda, R., Jr. 3 *s* 608 W. 113
Pink, C. E. 1 *c*
724 Monroe, Bklyn.
Pinkham, G. R. *gr t*
22 W. Kinney, Newark
Pinney, M. M. 3 t
41 Stewart ave., Arlington
Piper, F. R. 1 b
34 Union, Flushing
Piperoux, R. P. 2 *s* Livingston
Pistner, B. 2 *c*
189 Rodney, Bklyn.
Pitfield, F. B. 4 t
284 Lafayette ave., Bklyn.
Pitt, G. *f a*
254 Cedar Rd., New Rochelle
Pitts, A. L. 4 *c* Hartley
Planer, C. H. ph
714 Bloomfield, Hoboken

Plant, E. ph *302 Central Pk. W.*
Planten, F. R., *phar*
207 Carlton ave., Bklyn.
Platt, A. H. nm t *Whittier*
Plimpton, L. E. 4 t *Whittier*
Plotz, H. 3 *m* 1722 Madison ave.
Plumb, H. H. 1 t *Whittier*
Plummer, H. C. 3 b
Riverside ave., Cranford
Podell, J. 4 *c* 508 W. 135
Polhemus, G. W. 3 *c* 558 W. 113
Polhemus, H. M. *f a* 627 W. 115
Pollack, E. A. 3 *l* 422 E. 140
Polley, B. *ph* 1163 Washington ave.
Pollitzer, M. 1 b *51 E. 60*
Pomeroy, G. 4 t *Rahway*
Pomeroy, R. B. *pl* 175 Ninth ave.
Pond, B. G. nm t *Whittier*
Pond, D. C. *f a* 140 Claremont ave.
Ponsford, H. J. 2 *f a* 633 W. 115
Pontz, B. 3 t *519 W. 121*
Poor, P. 3 b *9 W. 9*
Poore, H. W. 2 b
347 Lincoln Rd., Bklyn.
Pope, A. E. 4 t *37 E. 71*
Poppen, J. R. 1 *c* Athenia
Porter, A. M. *pl*
Union Theological Seminary
Porter, D. E. 4 t *401 W. 118*
Porter, E. 4 t *425 W. 114*
Porter, F. J. 4 *c* 15 E. 10
Porter, H. B. 3 t
195 So. Mountain ave., Montclair
Porter, H. P. *gr t*
580 Decatur, Bklyn.
Potter, H. W. 3 *m*
411 Cherry, Elizabeth
Potter, M. 1 *c* 841 Beck
Post, S. M. 3 t
606 Fifth ave., Asbury Park
Powel, A. K. ph *529 W. 121*
Powell, C. L. *ph* Livingston
Powell, H. W. *p*
"The Apthorp," B'way & 79
Powell, L. R. 3 b *Brooks*
Powell, R. R. B. 1 *l* 501 W. 123
Prankard, A. 3 t *Port Washington*
Prankard, F. 1 b *Port Washington*
Prats, E. R. 4 t *Whittier*
Pratt, J. W. 3 *s* 608 W. 113
Pratt, M. A. 3 t
26 William, East Orange
Pray, M. I. 3 t *Whittier*
Pressner, S. 1 *s* 1394 Franklin ave.
Preston, E. D. 3 *l* Hartley
Preston, M. P., Mrs. nm t
"Belleclaire," 77 & B'way
Prétat, R. E. 2 *c*
86 Marlborough Rd., Bklyn.
Price, D. C. 3 *l* Livingston
Price, J. 3 *c* 786 E. 183
Price, M. L. 4 t *Whittier*
Price, W. D. *pl* 131 E. 30
Prince, F. M. 4 t 1060 Dean, Bklyn.
Prince, J. D., Jr. 1 *c* Sterlington
Pritchett, K. A. 3 t
90 Morningside Dr.
Pritt, A. A. f a 1061 St. Nicholas ave.
Proal, R. H. nm t *Whittier*
Prochazka, G. A., Jr. 3 *s*
138 W. 13
Propper, K. 3 *c* 643 Prospect ave.
Prox, C. C. H. 4 *c* 300 W. 109
Puerto, A. *f a* Maywood
Pullen, F. J. *nm c* 249 E. 30
Pulleyn, J. W. 4 *c* 171 W. 94
Pulleyn, V. 1 b *171 W. 94*
Pulvermacher, W. D. *p*
24 Manhattan ave.
Punnett, P. W. *p* Livingston
Puorro, M. *p*
82 Underhill ave., Bklyn.
Purcell, B. *f a* Hartley
Purdy, J. H. 2 *c* 14 W. 122
Putnam, M. C. ph *538 W. 124*
Pyle, E. 1 *m*
90 Amberson ave. Yonkers
Pyne, W. C. 4 *c* 265 W. 88
Pyne, W. F. 2 *s* 265 W. 88

Quackenbos, G. P. *ph* 331 W. 28
Quackenbush, L. S. *p* 27 W. 73
Quattlebaum, S. 2 *s* Hartley
Queal, L. M. 3 t *Whittier*
Quin, B. S. pl *70 Irving Pl.*
Quinn, H. 2 *s*
Great Neck Sta., L. I.

Raabin, H. D. 1 *s*
129 Utica ave., Bklyn.
Rabe, L. H. W. *ph*
1414 Jefferson ave., Bklyn.
Rabinowitz, A, 1 b *154 Lenox ave.*
Racoubian, R. S. *gr t*
51 Lexington ave.
Radcliffe, P. R. *nm t* Flemington
Rade, H. S. 3 *s* 70 Morningside Dr.
Radebaugh, E. M. 3 t *Whittier*
Radigan, F. J. 4 *s*
621 Pavonia ave., Jersey City
Raff, G. M. 2 b *1419–58, Bklyn.*
Ragan, W. E., Jr. 4 *m* Livingston
Ragon, O. E. 3 t *414 W. 118*
Raitt, E. I. 4 t *Whittier*

Ramsay, A. D. 2 *m* 508 W. 147
Ramsdell, C. H. 2 *l*
342 Convent ave.
Randolph, I. F. 2 b *425 W. 114*
Randolph, J. A. F. 3 *c* Hartley
Randolph, M. F. 1 b
76 S. Tenth, Newark
Rankin, C. S. 4 *t* Livingston
Rapeer, L. W. *gr t* 416 W. 122
Rapelye, E. L. 3 b *607 W. 116*
Raphael, A. P. nm b *2 W. 89*
Rapoport, P. 3 *t*
1628 Pitkins ave., Bklyn
Rapp, S. K. 1 *l* 346 W. 71
Rappaport, J. L. 2 *c* 522 W. 157
Rattner, C. G. 4 *m*
1685 Madison ave.
Raucher, J. B. Z. *ph* 161 E. 96
Rauscher, A. 3 t *400 W. 118*
Ravich, A. 4 *m* Aqueduct, L. I.
Rawls, A. E. p
309 Lafayette ave., Bklyn.
Ray, F. *p* 140 Cedar
Rayens, C. E. 2 *s* 174 W. 94
Raymond, A. V. V., Jr. *pl*
600 W. 122
Raynolds, R. 2 *m* 332 W. 58
Raynor, B. E. 3 t *Caldwell*
Raynor, F. K. 3 *l* Caldwell
Read, H. L. 4 *s* 228 Clinton, Bklyn.
Ready, E. P. 3 b
42 Kensington ave., Jersey City
Reardon, E. 4 b
316 Warburton ave., Yonkers
Rebach, H. 4 gr t 407 Central Pk., W.
Redding, H. E. pl
145 South Oxford, Bklyn.
Reed, G. P. nm t
394 Putnam ave., Bklyn.
Reed, H. J. ph *340 W. 85*
Reed, J. A. ph *Leonia*
Reed, L. A. 3 t *Whittier*
Reed, L. P. 3 *c* 540 W. 122
Reeder, E. H. 3 *c*
Hastings-on-Hudson
Rees, F. du B. 4 b
"Hendrik Hudson," 110 & Riverside
Rees, V. M. 4 b *527 W. 121*
Reese, A. P. *gr t*
945 St. Nicholas ave.
Reese, C. H. 4 b *478 W. 145*
Reeves, E. C. *pl* Livingston
Reh, I. *f a* 252 W. 115
Reibel, J. 1 *c* 204–1, Elizabeth
Reich, L., Jr. 1 *l* 23 E. 44
Reichard, S. 4 *t* 248 S. 2., Bklyn.
Reichman, R. 2 *c*
2629 Eighth ave.
Reid, E. P. 4 t *Whittier*
Reid, M. 2 b
44 N. Tenth ave., Mt. Vernon
Reid, W. E. 1 *s* 107 E. 75
Reidy, K. L. nm t *169 E. 90*
Reigart, K. M. 1 b
31 Euclid ave., Yonkers
Reilly, H. W. 2 *c* 536 W. 114
Reilly, L. 3 b
1036 Post ave., Port Richmond
Reinheimer, C. 1 b *255 W. 95*
Reinheimer, E. 2 b *49 W. 70*
Reitlinger, B. H. ph *120 W. 70*
Relyea, G. L. 4 *t* Livingston
Remsen, W. 1 *l* 612 W. 116
Renshaw, D. F. *p* Livingston
Renshaw, D. R. 2 *s* 612 W. 116
Resnik, J. 3 *t* 310 E. 100
Reuben, M. H. *nm c* 205 W. 106
Reutter, C. E. 2 *c* 36 W. 88
Reutter, R. H. 3 *c* 36 W. 88
Revson, R. F. 3 *s* 423 W. 118
Reynolds, B. 3 b *104 W. 84*
Reynolds, E. G. 4 *t* Hartley
Reynolds, H. 1 *l* 522 W. 123
Reynolds, H. D. 1 b
49 Leland ave., New Rochelle
Reynolds, J. M. gr t *Whittier*
Reynolds, R. J. 4 *c*
1463 E. 10, Bklyn.
Rhett, W. M. 3 *m* Hartley
Rhinehart, A. E. 1 *c* 429 W. 24
Rhoades, F. M. 2 b *Brooks*
Rhodes, H. N. nm t *523 W. 123*
Rhodes, L. B. 3 t *Whittier*
Rice, H. S. 1 *c* Hartley
Rice, I. B. sp b *Brooks*
Rice, I. L., Jr. 2 *s*
"Ansonia," 73 & B'way
Rice, J. 1 *c*
Ansonia Apts., B'way & 73
Rice, M. 1 *l* 973 Second ave.
Rich, E. M. 1 b
56 W. 2, Mt. Vernon
Rich, H. S. *ph* 1528 Madison ave.
Richard, E. K. 1 *c* 12 W. 103
Richards, M. R. 3 t *Whittier*
Richardson, A. H. *pl*
224 Eighth ave.
Richardson, C. 1 t *420 W. 118*
Richardson, E. S. 3 b *620 W. 115*
Richardson, G. W., Jr. 2 *s*
138 E. 79
Richardson, J. E. 1 *c* 400 W. 118

Richardson, W. E. *2 l*
451 Madison, Bklyn.
Richey, M. C. 3 b *354 W. 21*
Richmond, L. G. nm t *430 W. 118*
Richter, C. 3 *s* 550 W. 114
Richter, H. 3 *s* 1542 Bryant ave.
Rickersberg, D. nm t *509 W. 122*
Riddell, W. A. *pl*
Union Theological Seminary
Riddle, C. C. 3 t *500 W. 121*
Riegel, G. H. 4 *c* Hartley
Riggs, B. R. 1 *c* 434 Riverside Dr.
Riley, E. M. 1 t *Whittier*
Riley, H. A. 4 *m* 125 W. 92
Riley, M. T. *pl* 125 W. 92
Riley, W. L. 4 *s* 125 W. 92
Rinek, J. O. 3 *s* 414 W. 118
Risley, W. L. *2 f a* Hartley
Rist, S. G. nm t *420 W. 119*
Roantree, W. F. *gr t* 407 W. 123
Robbin, L. 2 *c* Hartley
Robbins, C. L. *gr t* Livingston
Robbins, F. *pl* 627 W. 115
Robbins, J. B. 2 *c*
25 Claremont ave.
Robbins, S. 4 t *Whittier*
Robbins, S. 4 t *Whittier*
Robertiello, A. *phar*
584 Broome
Roberts, E. 3 *s* 470–62, Bklyn.
Roberts, E. M. sp b
511a Monroe, Bklyn.
Roberts, E. O. 4 *s* 627 W. 115
Roberts, E. P. nm t
448 Riverside Dr.
Roberts, G. H. *f a* Livingston
Roberts, L. 1 *c* 520 W. 150
Roberts, M. M. 3 t *Hempstead*
Roberts, R. B. 2 *s* 3671 Bway.
Robertson, I. 4 t
712 Fourteenth ave., Paterson
Robin, E. J. 1 *f a*
23 Bay, 17, Bklyn.
Robinson, A. K. 1 b *2647 Bway.*
Robinson, A. M. p
983 Summit ave.
Robinson, C. R. 3 *s* 419 W. 115
Robinson, E. A. gr t
50 Orange, Bklyn.
Robinson, E. H. sp b
12 West Mount Morris Pk.
Robinson, E. M. 3 t 36 Bell, Orange
Robinson, F. W. 3 *c* 633 W. 115
Robinson, H. W. 2 *l*
Hudson Terrace, Yonkers
Robinson, K. D. 2 *c*
1090 Amsterdam ave.
Robinson, L. 2 b
3 Alpha Pl., New Rochelle
Robinson, L. A. *gr t* 435 W. 123
Robinson, L. H. 3 *l* Hartley
Robinson, M. 3 b
217 Harrison ave., Jersey City
Robinson, M. M. f a *601 W. 148*
Robinson, P. M. phar *20 E. 100*
Robinson, V. 1 *m*
12 Mt. Morris Pk., W.
Robison, A. G. *ph* 416 W. 122
Robson, C. T. 2 *s* 4 Stone
Robson, E. H. 4 t *Whittier*
Roche, E. S. 1 *l* Livingston
Roche, J. A. pl *26 Jones*
Roché, J. A. 1 *s* 129 E. 70
Rochester, M. M. gr t
845 Lexington ave.
Rockwood, N. O. 3 *l* 614 W. 113
Rodgers, C. I. 3 t *425 W. 114*
Rodick, E. M. 3 t *Whittier*
Roeder, E. von W. ph *Whittier*
Roemermann, A. 3 *s* 140 W. 129
Roever, F. L. 2 b
1397 Kenmore Pl., Bklyn.
Rogers, E. J. 4 *m* 346 W. 58
Rogers, F. E. 4 b *Whittier*
Rogers, G. J. 3 b *1337 Clinton ave.*
Rogers, H. K. nm t *Whittier*
Rogers, H. M. 1 b *601 W. 144*
Rogers, L. E. 4 t *502 W. 113*
Rogers, M. W. pl
436 Audubon ave.
Rogers, R. R. 2 *m* 346 W. 57
Rogers, R. W. 3 t *71 N. 7, Paterson*
Rogow, C. 4 *c* 272 W. 113
Rogow, S. 2 *s* 272 W. 113
Rogowski, B. 4 *s* 311 W. 137
Rohn, J. 4 *s* Livingston
Rohrs, G. C. 1 *c* 523 W. 141
Roland, P. W. 1 *s* 3176 Park ave.
Roll, R. p *201 E. 82*
Romaine, L. A. 3 t
192 Monitor, Bklyn.
Romanoff, M. 1 *c* 62 E. 111
Roney, J. L. 2 *c* 477 Hudson
Roome, S. V. 1 b *Brooks*
Roon, L. 2 *s* Port Washington, L.I.
Root, E. K. 1 t *621–11, Bklyn.*
Root, T. S. 3 t *Whittier*
Root, W. R. 2 *c*
248 Jefferson ave., Bklyn.
Ros, L. 2 b *808 West End ave.*
Rose, A. A. 2 *c* Hartley
Rose, A. R. *p* 420 W. 119
Rose, J. 4 *s* 530 W. 144

Roseff, A. 1 *c*
11 Park ave., Mt.Vernon
Rosenberg, J. *ph* 73 E. 109
Rosenberg, L. 4 t *14 W. 88*
Rosenberg, M. H. nm t *601 W. 113*
Rosenblatt, E. G. 3 b
Cedarhurst, L. I.
Rosenblatt, W. 2 *c*
1820 Clinton ave.
Rosenblüth, M. B. 2 *m*
207 Cathedral Pkway.
Rosendale, C. 3 t
1109 Amsterdam ave.
Rosendorf, J. 3 t *Whittier*
Rosenson, W. 2 *m* 249 W. 112
Rosenthal, G. J. *p*
49 St. Nicholas Terrace
Rosenthal, J. *ph* 1383 Fifth ave.
Rosenthal, J. C. 1 b
21 Claremont ave.
Rosenthal, N. 3 *m* 1085 Simpson
Rosenthal, W. J. 3 *c* 237 W. 113
Rosensweig, M. 2 *s*
596 Riverside Drive
Rosenzweig, S. B. 4 *m*
1823 Topping ave.
Ross, F. A. *pl* 600 W. 163
Ross, M. D. 4 t
659 Sanford ave., Flushing
Ross, M. G. 1 b *15 E. 54*
Ross, W. N. *pl* 449 W. 123
Roth, G. G. 2 b *545 W. 111*
Roth, L. L. 3 *m* 162 W. 75
Roth, S. 2 *c* 102 W. 121
Rothchild, H. W.
330 Central Pk. W.
Rothenberg, B. 4 *c* 224 W. 141
Rothenberg, D. M. 1 *c*
1994 Atlantic ave., Bklyn.
Rothermel, E. 3 t *509 W. 121*
Rothschild, J. L. 3 *c*
1781 Union, Bklyn.
Rothwell, A. C. 2 *c* 144 W. 76
Rothwell, A. S. 4 *c* 144 W. 76
Rothwell, V. H. 2 *l* 144 W. 76
Rouillot, M. E. 3 t *Whittier*
Rounds, D. M. ph *415 W. 116*
Rowe, E., Mrs. 4 t *217 W. 130*
Rowe, L. J. 3 t *423 W. 118*
Rowell, D. C. 4 t *430 W. 119*
Rowell, E. gr t *Whittier*
Roy, M. S. 3 t *Irvington-on-Hudson*
Rubin, M. 2 *l* 136 W. 112
Rubin, S. 2 *c* 1542–58, Bklyn.
Rubino, G. 2 *l* 34 Carmine
Ruble, J. J. 1 *l* Livingston
Ruch, C. J. 2 *l* 359 W. 117
Rudolphy, J. B. 1 *m*
116 Bloomfield, Hoboken
Ruffier, G. *nm c* Hartley
Rugen, O. N. 3 *s*
242 So. 9, Bklyn.
Runge, O. E. 4 *c*
783 Bushwick ave., Bklyn.
Runkel, L. E. 3 t *415 W. 118*
Runnels, R. O. 3 *t* 408 W. 115
Ruprecht, W. E. 3 *s* 608 W. 113
Rushmore, E. M. pl
129 Montague, Bklyn.
Rusk, E. gr t
210 Bellevue ave., Upper Montclair
Rusk, H. M. 3 b *636 Columbus ave.*
Rusk, R. L. *ph* 520 W. 123
Russell, E. B. *pl* 1006 Livingston
Russell, M. F. 4 t *Whittier*
Ruth, U. G. p *503 W. 121*
Ruthardt, R. M. 4 *s*
100 W. Morningside ave.
Ryan, E. 1 t *601 W. 141*
Ryan, J. P. 2 *l* Hartley
Ryan, M. E. 3 t *Whittier*
Rydene, A. P. ph *9 Pinehurst ave.*
Ryder, R. C. 1 *l*
184 State, Bklyn.
Ryerson, M. A. ph *355 W. 57*

Saalberg, H. 3 *s* 267 W. 89
Sachs, A. P. 3 *s* 63 E. 106
Sachs, E. nm b *46 W. 70*
Sachs, S. 2 *c* 123 Division
Sachs, S. E. 2 *c* 38 W. 117
Sadtler, C. B. 2 *s* Hartley
Saeger, L. B. ph *Whittier*
Safford, W. C. *nm c* Spring Valley
Sagarino, J. F. 3 *m* 148 W. 64
Sage, E. W. 1 *c* 305 W. 80
Sage, L. 2 b *165 Cleveland, Orange*
Saidla, L. E. *pl* 600 W. 122
Sailer, T. H. P. *gr t* 156 Fifth ave.
Sait, U. B. ph *421 W. 121*
Salant, H. *pl* 200 B'way
Salas, L. E. *p* 1922 Daly ave.
Salathe, A. J. *p* College Point
Salomon, H. R. Mrs. ph
258 Riverside Dr.
Salomonsky, E. A. *f a* 504 W. 171
Salsbury, N. 4 *s* 30 W. 96
Salutsky, J. B. *pl* 510 W. 136
Salwen, E. 1 *c* 1450–45, Bklyn.
Salzman, A. B. 3 b
5403 Fifteenth ave., Bklyn.
Sameth, E. gr t
78 & East End ave.
Sampson, G. G. *pl* 530 W. 123

Samuel, M. 1 *c* Bayonne
Samuels, A. H. 2 *c* 301 W. 108
Samuels, M. 4 *s* 907 Prospect ave.
Samuels, M. M. 2 *c* 301 W. 108
Samuels, S. L. 1 *l* 540 W. 143
Sanborn, J. C. 3 *l* Livingston
Sanborn, V. G. 1 *c*
2040 Seventh ave.
Sand, H. 1 *s* 289 Ninth, Bklyn.
Sandercock, H. D. 3 t *Whittier*
Sanders, T. M. 4 *c* 562 W. 113
Sanderson, M. L. gr t *435 W. 123*
Sandford, G. pl *188 Claremont ave.*
Sandford, H. L. 3 t
188 Claremont ave.
Sandhusen, L. H. 1 *c s*
295 E. 4, Bklyn.
Sands, W. H. 1 *c*
188 St. Nicholas ave.
Sanford, F. D. *pl* 105 E 22.
Sapiro, D. 4 *c* 954 Prospect ave.
Sarachek, J. 1 *c* 233 Monroe
Sassulsky, I. J. 3 *m*
312 Hopkinson ave., Bklyn.
Saunders, J. C., Mrs. gr t *3 W. 92*
Savage, J. M. 3 b
9 Lincoln ave., Rutherford
Savarese, J. G. *phar* 72 Charlton
Saville, F. E. 4 t *534 W. 124*
Sawyer, C. R. 4 *m* 147 W. 97
Sax, C. M. 4 *t* 407 Central Pk. W.
Saxe, W. V. 4 *c* 75 E. 81
Sayre, E. B. 1 b *Brooks*
Scales, S. B. 1 *s*
62 Garrison ave., Jersey City
Scarborough, P. C. 3 *t* Demarest
Sceva, L. 1 *c* 523 W. 135
Schachtel, H. A. 2 *s*
911 Summit ave.
Schachter, M. F. 4 *t* 350 E. 4
Schaefer, H. H. *phar*
801a Willoughby ave., Bklyn.
Schaeffer, F. M., Mrs. nm t
2271 Loring Pl.
Schafer, M. Mrs. nm b *217 W. 79*
Schall, M. 3 t *Taylorsville*
Scharfenstein, G. I. nm t
1015 S. Blvd.
Schattinger, G. F. 3 *s* Hartley
Schatzman, A. G. *ph* Linden
Schechter, A. E. 1 b
468 Riverside Dr.
Schechter, F. I. 4 *c*
468 Riverside Dr.
Schede, F. C. 4 *s* 531 W. 113
Scheel, G. G. 2 *l* 531 W. 113
Scheinbach, M. H. 4 *t* 132 Goerck
Schene, L. H. H. *f a*
2981 Perry ave., Bedford Pk.
Scherer, M. *phar* 112 First ave.
Schermerhorn, G. 4 t *Whittier*
Scheuch, W. A. 4 *s* 547 E. 171
Scheuer, S. H. 3 *c* 801 West End ave.
Schick, M. 3 *t* 54 Moore, Bklyn.
Schiel, W. E. *nm c*
1200 Greene ave., Bklyn.
Schilling, E. I. 3 t *430 W. 119*
Schleicher, E. M. *f a* 3136 B'way
Schlesinger, A. M. *pl* Livingston
Schlesinger, L. 2 *c*
363 Manhattan ave.
Schleussner, R. C. *phar* 360 W. 23
Schliffer, W. H., Jr. *p*
83 S. 2, Bklyn.
Schlossman, W. M. 4 *s* 37 W. 118
Schlottman, G. 1 *c* 627 W. 113
Schmalhausen, S. D. *pl*
1069 Boston Rd.
Schmidt, A. M. 2 *l*
556 McDonough, Bklyn.
Schmidt, E. M. N. A. 1 b
317 High, W. Hoboken
Schmidt, F. B. 2 *s* 479 W. 152
Schmidt, W. C., Jr. 3 *s*
1253 St. Nicholas ave.
Schmuckler, J. 1 *c* 19 E. 98
Schneider, E. gr t *523 W. 123*
Schneider, E. T. 3 t *210–7, Hoboken*
Schneider, F. H. 1 *s* Lindenhurst
Schneider, L. S. 3 *s* 1 W. 117
Schoelles, W., Jr. *phar* Sea Cliff
Schoenfeld, A. M. nm t *438 E. 83*
Schoettle, G. H. *gr t*
2130 Mapes ave.
Scholes, B. 3 t *99 Rodney, Bklyn.*
Scholle, H. A. 3 *l* 11 E. 76
Scholz, F. W. *ph* 1438 Vyse ave.
Schoonover, K. H. 3 t *Whittier*
Schorr, M. L. 2 b *2336 Loring Pl.*
Schrader, F. 2 *s* Hartley
Schrader, J. H. 1 *s*
2322 Seventh ave.
Schram, C. F. N. 1 *m*
175 High, Bklyn.
Schramm, E. *p* 515 W. 143
Schreiter, H. A. ph *59 W. 87*
Schroeder, M. 4 t *1390 Clinton ave.*
Schubert, E. A. D. H. 2 b
400 W. 124
Schulman, J. 2 b *1450–49, Bklyn.*
Schultz, L. C. 4 *s* 604 W. 114
Schulz, P. 3 *f a* 506 W. 143
Schumann, C. H., Jr. 1 *s*
580 E. 165

Schur, R. P. 3 *l* 4 Hamilton Ter.
Schurman, G. W. 3 *s* 330 E. 152
Schwarte, V. M. 4 t *527 W. 121*
Schwarting, L. E. 4 t *Whittier*
Schwartz, A. 1 *s* 2152 Belmont ave.
Schwartz, A. A. 4 *m* 584 Broome
Schwartzman, F. 2 b
1487 Bryant ave.
Schwarz, M. W. 2 *s* 471 W. 140
Schwarzwaelder, F. E. 2 b *Brooks*
Schweis, E. M. 4 b *124 W. 109*
Schweitzer, C. O. 1 *t* Delawanna
Schweizer, J. A. 3 *s* Hartley
Schwerd, F. M. 3 *m* Prince Bay
Sclater, E. nm t *Whittier*
Scott, A. H. 3 *l* Livingston
Scott, C. A. 3 t *Whittier*
Scott, G. G. *p*
899 Valley Rd., Upper Montclair
Scott, J. M. 3 t *519 W. 121*
Scott, P. A. 2 *c*
169 Johnson ave., Tottenville
Scott, R. H. *ph*
481 Bedford ave., Bklyn.
Scott, W. H. *pl* 600 W. 122
Scovel, C. M. gr t *423 W. 118*
Scovil, E. A. 1 b *515 W. 122*
Scratchley, G. K. 4 *c* 13 W. 8
Scudder, F. D. 2 *m*
65 Central ave., Tompkinsville
Scully, M. P. 4 b
416 Amity, Flushing
Seager, A. L. gr t *Whittier*
Seals, L. S. 3 t *Whittier*
Sedgwick, H. R. *f a* 107 E. 37
See, M., Jr. 2 *s* 429 W. 117
Seedorff, H. C. 1 *c* Hartley
Seeger, M. L. 4 t *519 W. 121*
Seel, W. M. *ph* Dundee Lake
Seely, B. W. pl *105 W. 40*
Seely, C. E. p *505 W. 122*
Segee, G. R. 3 b *405 W. 118*
Seibels, R. E. 2 *m*
City Hospital, Blackwell's Island
Seibert, H. 3 b *2230–83, Bklyn.*
Seidenberg, A. *pl* 24 E. 99
Seidenberg, R. *f a* 24 E. 99
Seidler, V. B. 4 *m* 437 W. 59
Seidman, Mrs. M. A. nm t
1 W. 127
Seiff, H. J. 1 *m* 164 E. 119
Seigel, F. S. 1 b *Brooks*
Seil, G. E. 4 *s* Perth Amboy
Seipp, H. G. 2 *l*
57 Dahlgren Pl., Bklyn.
Seipt, H. A. *ph* 425 W. 118
Selden, E. 3 t *17–19 E. 111*
Seldner, G. E. 2 b
10 Baldwin Pl., Yonkers
Selig, S. 4 *c* 154 Monroe
Seligman, C. R. 2 b Hotel Netherland
Selkin, F. B, gr t *959 Prospect ave.*
Selleck, A. ph *Whittier*
Sellew, W. W. 3 *c* 78 E. 79
Selwyn-Brown, A. *pl* 332 W. 55
Semple, R. A. 4 *s* Livingston
Sen, J. T. E. 2 *s* Livingston
Sengstaken, J. H. 2 *s* 558 W. 113
Senner, C. 1 b *348 W. 123*
Sethna, N. R. 4 *s* Livingston
Seward, E. de C. nm t *200 W. 70*
Sexton, C. G. 1 b *Brooks*
Sexton, E. 3 t *160 W. 119*
Seybolt, R. F. *gr t* 616 W. 113
Seymour, L. 4 t *Whittier*
Seymour, R. 4 t *2297 Sedgwick ave.*
Seymour, R. B. 2 *l* 355 W. 145
Shack, E. S. 3 t *67 E. 78*
Shackleton, C. E. 2 b *219 E. 27*
Shaffer, B. E. 4 t *Whittier*
Shakin, V. V. 4 *s* 870 E. 165
Shalek, B. A. 2 *l* 601 W. 140
Shalleck, J. 1 *c* 1840 Seventh ave.
Shands, J. W. 1 *l* Livingston
Shank, E. W. 2 *m* 544 W. 145
Shanks, N. 3 *c*
295 Throop ave., Bklyn.
Shannon, A. M. 2 b *324 W. 71*
Shannon, R. L. 3 b *324 W. 71*
Shapard, A. M. nm t *Whittier*
Shapiro, H. M. *phar* 696 Elton ave.
Shapiro, L. G. 1 *m* 128 W. 61
Shapiro, R. 2 *s*
103 Throop ave., Bklyn.
Sharp, L. A. nm t
356 St. Paul's ave., Tompkinsville
Sharpe, P. M. 4 b *376 E. 136*
Shaterian, W. S. *nm l*
1092 Amsterdam ave.
Shattuck, H. F. 3 *m* 348 W. 57
Shaw, A. M. ph *609 W. 127*
Shaw, B. 1 b
547 Second ave., Astoria
Shaw, E. L. pl *514 W. 149*
Shaw, E. M. nm t *511 W. 113*
Shaw, F. D. 2 *c* 307 W. 83
Shaw, G. A. 4 *s* 540 W. 113
Shaw, J. J. 3 *s* 618 W. 113
Shaw, J. M. 3 b *Brooks*
Shaw, M. B. 4 b *514 W. 149*
Shawhan, R. *f a* Livingston
Shears, L. A. 4 c 203 W. 103
Shedd, D. nm t *Whittier*
Sheldon, B. S. 1 *c* 21 W. 54

Sheldon, M. A. 4 t *421 W. 120*
Shelley, D. M. 4 b
218 Garfield Pl., Bklyn.
Shelley, H. V., Jr. 3 *c*
859 Huntspoint ave.
Shelton, A. 4 t *Whittier*
Shenfield, L. L. *f a* 311 W. 95
Shenton, H. N. *pl* 552 Riverside Dr.
Shepard, M. G. 3 *s* Hartley
Shepherd, B. A. 2 *nm l* Livingston
Sheppard, C. A. *gr t*
87 Jasper, Paterson
Sheridan, J. A. 4 *t* 200 Waverley Pl.
Sheridan, M. C. 3 t *Whittier*
Sherin, L. M. 4 b *516 W. 143*
Sherline, A. E. 1 b *1387 Clay ave.*
Sherman, H. C. nm t
243 Woodworth ave., Yonkers
Shibley, G. S. 3 *c* 434 W. 164
Shibley, M. 1 *c* 434 W. 164
Shibuta, I. 1 *s* 465 Central Pk. W
Shields, J. S. nm t *Whittier*
Shiland, A. R. 2 *l* 109 E. 57
Shimer, M. B. 4 t *3120 Broadway*
Shimidzer, M. *pl* 103 W. 127
Shipman, B. F. 2 *l*
17 Prospect, E. Orange
Shirley, A. R. 4 *c* 346 W. 56
Shissler, R. M. ph *415 E. 64*
Shlimbaum, S. 4 *m* 169 E. 75
Shook, C. 3 b *Whittier*
Shrewsbury, W. E. 4 *c*
148 Van Buren, Bklyn.
Shropshire, O. E. 3 t *Whittier*
Shukri, A. *pl* 419 W. 118
Shulansky, J. 2 *m* 1230 Boston Rd.
Shultz, B. E. *pl* Hartley
Shuman, A. M. 4 t. *Whittier*
Sidbury, J. B. 4 *m* 325 W. 58
Sidenberg, C. L. nm b *157 W. 57*
Siegel, F. 3 *t*
199 Fisher ave., Tottenville
Siegel, M. T. 4 *m* 58 W. 118
Siegler, L. 2 *s* 1515 Charlotte
Siegrist, M. 4 t *Whittier*
Siemon, W. S. 4 *c* 565 W. 113
Siepert, A. F. 4 *t*
38 No. Willow, Montclair
Siff, A. L. 4 *c* 1117 Forest ave.
Siff, L. 2 *s* 1117 Forest ave.
Sigafus, A. E. pl *401 W 118*
Silberstein, N. *gr t*
1249 Amsterdam ave.
Sill, M. E. 4 t *604 W. 125*
Silliman, F. E. 1 b *67 W. 131*
Silliman, H. E. 1 *s*
19 Schenck ave., Bklyn.
Sills, L. E. McC. *ph* Chelsea Sq.
Silver, M. *f a* 107 E. 96
Silverman, A. 2 *l*
80 St. Nicholas ave.
Silverman, L. B. nm b *45 E. 75*
Silverstein, A. 2 *c*
320 Convent ave.
Silverstein, I. P. 4 *s*
Simar, T. E. 4 t
940 Amsterdam ave.
Simeral, I. pl *526 W. 114*
Simmonds, F. H. 2 *s*
49 Caroline ave., Yonkers
Simmonds, L. T. *ph*
137 & Amsterdam ave.
Simmons, E. B. 3 *m*
53 Washington Sq.
Simmons, E. S. nm t *Whittier*
Simmons, J. R. *pl* 5 W. 125
Simmons, K. C. 4 t
194 Joralemon, Bklyn.
Simmons, W. 3 *f a* 514 W. 122
Simon, C. K. 4 *s* 220 W. 98
Simon, G. *phar* 189 W. 136
Simon, H. 1 *c* 233 E. 80
Simon, M. L. S. 4 *m*
206 Main ave., Passaic
Simons, L. G. gr t *180 W. 88*
Simonton, C. M. ph
42 Eldorado Pl., Weehawken
Simpson, C. 3 t *419 W. 118*
Simpson, C. F. 4 t *405 W. 118*
Simpson, H. N. *gr t* 981 Fox
Simpson, K. A. gr t *419 W. 121*
Simpson, R. V. 3 t *Whittier*
Sims, N. L. *pl* 600 W. 122
Sinclair, C. G. 3 *s* 558 W. 113
Sinclair, D. B. 2 *m* 471 Park ave
Sinclair, R. H. 3 *c* 515 W. 124
Singer, A. 3 *c*
312 Stevens, W. Hoboken
Singer, C. S. 1 *c* 2039 Bway.
Sjoberg, F. M. nm t *Elmhurst L. I.*
Skarvan, S. J. 2 *s* 550 W. 114
Skeel, H. R. 3 *m* 361 Mott ave.
Skerritt, H. H. 2 *l* Hartley
Skidmore, L. 1 *l* Summit
Skinker, D. A. 1 b *230 W. 101*
Skinner, G. E. 4 t
194 Joralemon, Bklyn.
Skinner, J. L. 3 t *138 W. 91*
Skinner, T. W. 4 *s* Hartley
Skipp, F. E. 2 *c* Livingston
Skipp, H. J. *ph* Livingston
Skolnick, I. 4 *t* 138 Ludlow
Slade, E. B. 2 *s* 510 W. 124
Slade, M. G. 2 b *510 W. 124*

Slater, A. 3 *c* 980 Kelly
Slattery, M. C. nm t *148 W. 92*
Sleffel, K. F. nm t
195 Claremont ave.
Sloan, M. J. nm t *411 W. 115*
Slosson, P. W. 3 *c* 530 W. 123
Smale, W. P., Jr. 4 *c* 470 W. 146
Smallheiser, A. L. 4 *c*
259 Hart, Bklyn.
Smart, R. 3 t *Whittier*
Smeaton, E. M. 3 t
111 N. Terrace ave., Mt. Vernon
Smeeton, M. A. 4 t
423 Clermont ave., Bklyn.
Smillie, R. 3 *s* 440 West End ave.
Smith, A. 3 b *64 E. 125*
Smith, A. C., Jr. 4 *c*
527 Riverside Dr.
Smith, A. DeF. 4 *c* 603 W. 184
Smith, A. H. 4 *c* Hartley
Smith, B. G. *p* Livingston
Smith, C. ph *52 E. 126*
Smith, C. gr t *Whittier*
Smith, C. D. 3 t
238 Gregory ave., Passaic
Smith, C. J. *ph* 425 W. 114
Smith, C. L. gr t *Whittier*
Smith, E. E. *gr t* 523 W. 122
Smith, E. W. 4 t *430 W. 119*
Smith, F. C. nm t
45 S. Fourteenth ave., Mt. Vernon
Smith, F. D. *p* 203 W. 102
Smith, F. E. 3 t *Whittier*
Smith, F. M. ph *418 W. 118*
Smith, G. *ph* 90 Morningside Dr.
Smith, G. H. nm t *Whittier*
Smith, H. 4 t *405 W. 118*
Smith, H. E. 1 *m* 35 E. 27
Smith, H. F. nm t *Whittier*
Smith, H. M., Jr. 2 *l* Hartley
Smith, H. M. 4 t *Whittier*
Smith, I. nm t *Whittier*
Smith, I. D. 2 *c* 127 W. 69
Smith, J. L. *nm s* 501 W. 120
Smith, J. M. ph *Palisade*
Smith, L. A. 2 *l* 627 W. 113
Smith, L. B. ph *Naples, N. Y.*
55 S. Mountain ave., Montclair
Smith, L. B. *gr t*
97 Vista Pl., Mt. Vernon
Smith, L. G. 4 t
Smith, M. 4 t *422 W. 119*
Smith, M. C. nm t *815 E. 167*
Smith, M. D. F. 4 *m* Livingston
Smith, N. M. pl *273 W. 71*
Smith, O. H. 1 *m* 133 W. 73
Smith, R. M. *ph* Hartley
Smith, R. P. 2 *l* Hartley
Smith, S. E. *f a* 558 W. 113
Smith, S. J. 3 t *529 W. 123*
Smith, S. V. 4 *t*
Smith, S. W. 1 *c* 32 W. 92
Smith, S. W. 2 *s* 558 W. 113
Smith, T. A. 2 *m* 346 W. 57
Smith, V. 4 b *527 Riverside Dr.*
Smith, W. L. 4 *c* Baldwin, L. I.
Smith, W. T. *gr t* 217 E. 3, Bklyn.
Smith, Y. B. 3 *l* Livingston
Smithers, A. F. 2 *c* 425 W. 144
Snell, H. B. 3 t
265 Garden ave., Mt. Vernon
Snow, E. M. gr t *Whittier*
Snow, M. R. gr t *386–4, Bklyn.*
Snow, R. 3 t *49 E. 123*
Snowden, F. B. 3 t *510 W. 124*
Sobin, J. 1 *m* Bayonne
Sohon, F. W. 1 *s* 1344 Chisholm
Sokohl, J. N. 3 *t* 243 Henry
Solomons, I. A., Jr. *phar* Livingston
Somerville, R. 1 *c* 477 Hudson
Sommerich, A. J. nm t *44 W. 91*
Sommerville, S. E. ph *Depot Lane*
Sondheim, H. R. 2 b
587 Riverside Dr.
Sophian, M. *sp m* 1889 Seventh ave.
Soskin, L. 1 b *595 Beech Terrace*
Souder, E. L. *pl* 175 Ninth ave.
Soundstrom, M. 4 t *101 W. 109*
Southerton, M. 4 b *607 W. 116*
Sowers, D. C. *pl* Livingston
Spalding, R. A. 3 t *Whittier*
Spalding, S. C. 1 *s*
18 Woodland ave., New Rochelle
Spalthoff, W. D. 3 *s* Hartley
Spare, B. Y. *pl*
Union Theological Seminary
Spear, D. A. 4 b *850 Tinton ave.*
Spearman, C. *p* 520 W 122
Speece, H. E. 4 *t* 368 W. 117
Spence, P. S. 1 *c* 251 W. 92
Spencer, E. A. B. 2 *c*
1124 Tinton ave.
Spencer, F. B. 3 *s* 1124 Tinton ave.
Spencer, H. J. 3 *m* Hartley
Spencer, M. 4 t
61 Livingston, Bklyn.
Sperling, E. M. 1 *c* 215 W. 98
Sperling, H. 4 *t*
583 Bedford ave., Bklyn.
Sperling, J. 3 b *1200 Madison ave.*
Spier, D. J. p *209 Dyckman*
Spilsbury, B. G. nm t
23 Park pl., New Rochelle

Spining, H. M. ph
121 Irvington ave., S. Orange
Spooner, M. G. 3 *c* Hartley
Spooner, R. N. 1 *s*
8th St. & Ocean ave., New Dorp, S. I.
Sprague, M. 1 *l* 408 W. 115
Springer, A. P. 3 *c* 608 W. 140
Springer, I. 3 t *126 E. 10*
Springer, M. P. 2 *l*
174 St. Nicholas ave.
Springer, W. M. 1 *s*
1308 Bushwick ave., Bklyn.
Sprung, S. ph *126 W. 118*
Spurny, E. 1 *s*
802 Second ave., Astoria
Spurr, E. E. 4 t *Whittier*
Squires, L. W. *f a*
1266 Second ave.
Staats, M. nm b *29 Broadway*
Stack, E. M. 4 b *435 W. 123*
Stadler, B. F. 4 t *701 W. 178*
Stage, J. M. 4 t *523 W. 123*
Stahl, G. F. *nm t* 2804 Pond pl.
Stahlschmidt, G. C. W. 1 *s*
1228 Halsey, Bklyn.
Staiger, B. C. 4 *s* 616 W. 113
Stair, B. W. *ph* 580 W. 161
Stallcup, E. S. *nm l* 508 W. 114
Stam, P. S., Jr. 1 *c*
146 N. 7, Paterson
Stanbrough, D. 1 b *306 W. 103*
Standerwick, H. F. *ph*
71 Clinton pl.
Stanley-Brown, R. *f a* Hartley
Stanoyevich, M. S. *pl* 449 W. 118
Stanton, F. L. *p* 19 W. 11
Stanton, W. H. 4 *t*
409 E. 31, Bklyn.
Staub, A. W. *ph*
Union Theological Seminary
Staubitz, H. C. 2 *c*
240 Jackson ave., Jersey City
Stauffer, F. J. 3 t *Whittier*
Stauffer, V. *ph*
Union Theological Seminary
Stead, M. F. *f a* Hartley
Stearns, G. R., Jr. 3 *c* Hartley
Stearns, W. W. 4 *c*
23 Coddington, Yonkers
Stebbins, H. A. *pl* Livingston
Stebbins, M. C. 2 b
23 Stevens, Astoria
Steckler, E. L. 3 *c* 61 W. 88
Steel, J. A. 1 *m* 116 W. 63
Steele, R. A. 4 t *94 Lawrence*
Steffen, G. W. 2 *s* 343 W. 56
Steffen, W. C. A. 3 *m*
557 Fourth ave., College Point
Steffensen, K. K. 1 *l* 148 W. 125
Stegman, B. C. 4 b
1041 Bloomfield, Hoboken
Stehlby, E. T. 1 *s*
Clinton ave., New Rochelle
Stein, J. D. 2 *s* 2169 Fifth ave.
Stein, L. E. sp b *12 W. 90*
Stein, M. 1 *c* 226 W. 140
Stein, M. nm b *18 E. 75*
Stein, N. pl *763 Jennings*
Steinberg, M. J. 3 *s* 120 Sheriff
Steinbruch, W. 3 *s*
206 Eighth ave., Bklyn.
Steindler, E. L. 4 *s* 100 W. 70
Steindler, L. L. 1 *s* 104 W. 70
Steinemann, R. 1 *l*
1751 Amsterdam ave.
Steinhardt, L. A. 3 *c* 23 E. 92
Steinhauser, W. 2 *m* 156 E. 2
Steinman, I. *phar* 175 Madison
Steinmetz, F. C. 4 *m* 352 W. 19
Stephens, G. E. 2 b
461 Quincy, Bklyn.
Stephens, R. 3 *m*
Hospital for Ruptured & Crippled
Stephenson, M. L. 3 t *512 W. 122*
Sterling, L. N. 3 t *Whittier*
Stern, A. 2 b *56 W. 72*
Stern, E. L. 1 b *63 E. 75*
Stern, H. J. 2 *c* 112 W. 116
Stern, J. 1 *c* 478 B'way, Bayonne
Stern, K. G. 4 *s* Hartley
Stern, W. 2 *s* 139 Second ave.
Sterricker, J. W. 1 *s* 159 W. 103
Sterritt, J. E. 3 *l* Ossining
Steubing, W. C. *p* 515 W. 122
Stevens, A. J. 4 t *Whittier*
Stevens, A. M. 1 *m*
227a Willoughby ave., Bklyn.
Stevens, C. E. 1 *s*
410 Plane, Newark
Stevens, E. M. 4 t *Whittier*
Stevens, H. C. 3 *s* 616 W. 113
Stevens, J. W. *ph*
116 Linden ave., Bloomfield
Stevens, M. S. ph *523 W. 121.*
Stevens, N. C. 1 *m* 348 W. 57
Stevens, W. C. 1 *c* Port Chester
Stewart, B. N. *pl* 520 W. 121
Stewart, E. 3 *l* Hartley
Stewart, H. H. *gr t* 368 W. 117
Stewart, I. M. gr t *510 W. 124*
Stewart, J. A. 2 *s* 467 W. 164
Stewart, M. W. 3 b
1058a Sterling pl., Bklyn.

St. George, A. V. 2 *m*
344 Ogden ave., Jersey City
St. Lawrence, A. J. 1 *m* 169 E. 69
Stickles, L. 3 *m*
957 Broad, Newark
Stiefel, W. A. 2 *c*
53 Fairview ave., South Orange
Stiles, E. 1 b *250 W. 129*
Stillman, D. gr t
359 Merrick rd., Rockville Centre
Stillman, E. G. 3 *m* 830 Park ave.
Stinson, J. W. 1 *l* 301 W. 91
Stinson, S. W. 3 t *Whittier*
Stirn, E. E. 1 b *957 E. 156*
Stockton, H. M. 4 t
Hudson ave., Englewood
Stockton, S. D., Jr. 3 *l* Livingston
Stoddard, A. G. nm t *660 E. 166*
Stoddard, M. S. 1 t *Whittier*
Stokes, V. M. 1 b *Brooks*
Stolberg, B. 1 *c* 521 W. 123
1441 Amsterdam ave.
Stone, A. M. 4 t *Whittier*
Stone, C. G., Jr. 1 *s* Mt. Vernon
Stone, C. H. 4 t *622 W. 113*
Stone, E. C. *p* 423 W. 118
Stone, E. W. 3 *s*
1128 Bedford ave., Bklyn.
Stone, G. A. 4 t *3305 Bway*
Stone, L. 3 *t* 220 E. Bway.
Stone, L. M. gr t
1433 Union, Bklyn.
Storer, H. M. 3 t *White Plains*
Stork, E. J. *f a*
212 Hancock ave., Jersey City
Story, H. V. 3 *l* 36 Gramercy pk.
Stotzer, C. R. 4 t *503 W. 121*
Stout, A. P. 4 *m* 574 Madison ave.
Stover, S. 1 *c*
36 Park ave., E. Orange
Stowell, J. S. *pl* 600 W. 122
Stowell, W. A. 4 *t*
140 Kent, Trenton
Strachan, A. gr t
126 Clinton ave., Montclair
Strader, W. W. *gr t*
447 Gregory ave., Weehawken Hts.
Straiton, C. 3 b *435 W. 123*
Strang, B. B. 4 *t*
301 Lafayette ave., Bklyn.
Strang, R. B. 3 *s*
431 Putnam ave., Bklyn.
Strassburger, H. 3 t
503 Central ave., E. Orange
Stratford, A. C. ph
163 Clinton ave., Bklyn.
Strathy M. F. nm t *Whittier*

Strausburg, A. S. 2 *c* Hartley
Strauss, I. D. 3 *c* Hartley
Strauss, S. G. 3 *m* 46 E. 75
Street, A. 3 *m* 330 W. 58
Street, G. M. 3 *m* 330 W. 58
Streeter, D. D. *p*
113 Hooper, Bklyn.
Streeter, H. G. 2 *s* Livingston
Streeter, S. G. ph
114 Duncan ave., Jersey City
Streightoff, F. H. *pl*
85 Macon, Bklyn.
Stribling, A. pl *Whittier*
Stridsberg, C. *pl* 175 Ninth ave.
Stringer, E. 4 t *Whittier*
Stringer, L. N. 3 t *Whittier*
Stringfellow, E. G. gr t
763 Fifth ave.
Strohmeyer, H. A., Jr. 1 *s* Hartley
Strong, H. T. 3 t *503 W. 121*
Struthers, R. T. 4 *s* 376 E. 136
Strutz, R. 3 t *557 W. 124*
Stryker, L. C. 2 *l* 802 W. 181
Stryker, R. F. *gr t* 509 W. 122
Stuck, S. L. 4 t *Whittier*
Studer, E. M. nm b
4166 Brandon, Woodhaven
Stumberg, G. W. 3 *l* 407 W. 117
Stuntz, C. B. *ph* Madison
Sturges, S. E. D. 2 b *204 W. 105*
Sturtevant, A. H. 4 *c* Edgewater
Sturtevant, E. G. ph *Brooks*
Subber, E. M. nm t *449 W. 124*
Suckley, R. B., Jr. *nm c* Hartley
Suffern, A. E. *pl* 501 W. 123
Sugerman, S. C. ph *136 W. 118*
Sullivan, C. W. 3 t *61 W. 74*
Sullivan, F. nm t *127 E. 100*
Sullivan, J. J. 4 *t* 82 Laight
Sullivan, R. E. Hartley
Sullivan, T. F. X. 2 *m* 601 W. 182
Sulzberger, A. H. 3 *c*
516 West End ave.
Sun, H. W. 3 *s* Hartley
Sun, M. 3 *s* Hartley
Sun, T. T. *pl* Hartley
Sundh, M. M. nm t
Hastings-on-Hudson
Surrey, N. M. M. pl *505 W. 122*
Surut, A. 3 t *138 W. 121*
Sussman, H. A. 1 *m*
165 Floyd, Bklyn.
Sussman, S. A. 1 *c* 41 W. 117
Sutliff, E. H. 2 *c* 344–1, Bklyn.
Sutliffe, D. B. nm t
9 Aberdeen Terrace, Stamford
Sutton, C. N. 3 t *Day, Bloomfield*

Suydam, J. R., Jr. 4 *s* 612 W. 116
Swain, D. W. 1 *l*
33 Sidney pl., Bklyn.
Swain, J. W. 4 *c* Hartley
Swallow, H. J. 3 *s* 429 W. 117
Swan, C. C. 1 *l*
407 Madison, Bklyn.
Swanson, O. E. *gr t* 530 W. 123
Swartz, M. D. 4 *s* 403 W. 115
Swazey, E. S. 4 *c* 619 W. 113
Sweeney, J. G. S. 1 *c*
94 Herriman ave., Jamaica
Sweeny, M. E. gr t *Whittier*
Sweet, M. 3 t *57 Cliff ave., Yonkers*
Swift, S. 3 *m* 44 W. 44
Swords, A. T. 2 *c* 1758 Topping ave.
Swords, S. L. 4 t *1758 Topping ave.*
Syska, A. G. 3 *s* 100 W. 94

Tackmann, H. 3 *s* 253 E. 82
Tadil, S. 2 *m* 84 State, Bklyn.
Taft, L. E. gr t *421 W. 121*
Tag, W. 4 *s* 511 Macon, Bklyn.
Talbot, G. K. 3 t *42 E. 28*
Tallman, G. G. f a *3605 Broadway*
Talmage, R. W. 2 b *Brooks*
Tang, Y. L. 2 *c* 425 W. 114
Tannenbaum, S. W. 3 *l* 58 E. 123
Tanner, A. H. *pl* 420 W. 116
Tanner, W. F. 1 *c* 550 W. 114
Tanzola, J. J. 1 *c*
503 Third ave., Bklyn.
Tanzola, V. 3 *c* 162–9 Bklyn.
Tao, S. *nm c* 225 E. 31
Tarantous, R. 4 *s* 1063 Teller ave.
Tarney, J. B. *gr t* 600 W. 122
Tarver, R. N. nm t *101 W. 85*
Tashof, I. P. 4 *s* 145 E. 38
Tatem, B. T. *gr t* 364 State, Bklyn.
Tattershall, L. M. pl *Brooks*
Taub, J. F. nm t *1414 Bryant ave.*
Taussig, R. B. f a
777 West End ave.
Taylor, A. E. *pl*
General Theological Seminary
Taylor, C. E. *gr t*
8 Manhattan ave.
Taylor, E. B. *pl* Bayonne
Taylor, E. W. 1 *c* 125 W. 121
Taylor, F. 3 *m* 130 E. 67
Taylor, G. E. 3 t *615 W. 136*
Taylor, H. B. *p*
736 West End ave.
Taylor, H. W. 1 *m* 156 E. 38
Taylor, L. 4 t *423 W. 118*
Taylor, M. 2 *l* 435 Riverside Dr.
Taylor, M. A. nm t *294 W. 92*
Taylor, T. C. 1 *s*
105 S. Fifteenth ave., Mt. Vernon
Taylor, W. *phar* 161 W. 140
Teden, R. M. 1 b *364–5 Bklyn.*
Tendler, A. R. 3 *t* 1515 Charlotte
Tenney, D. 2 *s* Livingston
Tenopyr, O. 1 *c*
2915 Glenwood Rd., Bklyn.
Terrell, E. F. 3 t
93 Cambridge Pl., Bklyn.
Terrell, H. N. *gr t* Dobbs Ferry
Terriberry, M. 1 b *120 W. 73*
Thackray, M. J. ph
1218 Bushwick ave., Bklyn.
Thalmessinger, D. B. nm t
332 W. 71
Thayer, E. R. *nm c*
12 Windsor Terrace, Yonkers
Thees, C. R. 4 b *271 Lenox ave.*
Thiesen, J. H. *f a* 520 W. 122
Thiesing, T. H. 2 *l* 530 W. 153
Thomas, A. W. 4 *s*
Palisade Park, N. J.
Thomas, C. P. 1 *m* 133 W. 73
Thomas, E. M. 2 b *Brooks*
Thomas, J. A., Jr. 3 *s* 605 W. 146
Thomas, J. F. *pl* 105 E. 22
Thomas, M. D. nm t *512 W. 122*
Thomas, M. E. 4 t
157 Glenwood ave., Yonkers
Thompson, A. 4 t *94 Lawrence*
Thompson, A. P. *p* Livingston
Thompson, C. D., Jr. *pl* 236 W. 71
Thompson, F. L. *gr t* 148 W. 105
Thompson, J. G. 4 *t* 2255 Loring Pl.
Thompson, L. M. 4 *m* 236 W. 71
Thompson, R. 4 t
335 Heberton ave., Port Richmond
Thompson, R. C. 3 *l* Hartley
Thompson, R. S. *pl* 5 W. 125
Thompson, W. G. 3 *c* 409 W. 129
Thompson, W. S. *f a* 116 W. 127
Thomson, A. S. *gr t* 421 W. 121
Thomson, C. E. 1 *l* Livingston
Thomson, H. S. *pl*
Union Theological Seminary
Thomson, M. E. pl *511 W. 113*
Thorburn, G. 3 *m* 231 W. 69
Thorn, A. G. 3 t *515 W. 139*
Thorn, F. C. *nm s* 515 W. 139
Thorne, C. 2 *l* High, Yonkers
Thornton, T. F. 3 *l*
229 Hinsdale, Bklyn.
Thorp, L. M. nm t *503 W. 122*
Thorpe, E. O. *gr t* 701 W. 177
Thurber, C. ph
49 Sidney Pl., Bklyn.

Thurlow, L. K., Jr. 4 *c*
152 Gates ave., Bklyn.
Thurston, F. M. nm t *Whittier*
Tibbetts, R. W. 3 t *Whittier*
Tice, S. C. p *1867 Seventh ave.*
Tichenor, C. L. 1 *c* Forster & Primrose ave., Mt. Vernon
Tieleke, G. E. H. 1 b
710 Degraw, Bklyn.
Tilton, C. S. 3 t
349 Garden ave., Mt. Vernon
Timberlake, E. pl *Whittier*
Timmons, W. J. 2 *c* Hartley
Tisdale, C. L. nm t *Whittier*
Tishman, L. 2 *c* 25 W. 90
Titlar, R. S. 1 *c*
4 Wolden Rd., Ossining
Titus, N. E. 2 *m* 127 W. 11
Tobin, E. 1 b
515 Lexington ave., Bklyn.
Todd, C. N. 3 *s* 237 W. 107
Todd, J. R. *pl*
1120 Amsterdam ave.
Todd, R. W. 2 *l* 260 W. 76
Todd, W. H. 1 *c*
Broadway, Dobbs Ferry
Toler, M. 3 t *Whittier*
Tollerton, E. R. 3 t *Glen Cove*
Tompkins, N. M. pl *Poughkeepsie*
Tong, Y.-L. 3 *c* 425 W. 114
Tonnelé, T. M. 2 *l* 258 W. 70
Tooker, M. D. f a *Larchmont*
Tooker, M. W., Mrs. f a *Larchmont*
Topp, E. p *428 W. 20*
Totah, K. A. *gr t* 432 W. 124
Totten, I. 1 b *52 Morningside ave.*
Touart, A. J. 1 *l* Livingston
Tounsend, M. E. pl
432 Westminster ave., Elizabeth
Toussaint, E. R. 1 b
2966 Briggs ave.
Tovell, H. M. 4 *m*
Riverside Dr. & 103
Towart, W. G. *pl* 600 W. 122
Tower, A. L. nm t *Briarcliff Manor*
Towes, A. T. 3 *t* 526 W. 123
Towler, M. B. 4 t *Whittier*
Towner, E. M. nm t
308 Huguenot, New Rochelle
Townsend, D. S. 2 *l* Hartley
Townsend, S. M. *ph*
272 Hancock ave., Jersey City
Traak, B. *nm l* 161 E. 60
Tracey, J. 2 *f a* Hartley
Track, I. P. 2 b *65 Linden, Bklyn.*
Tracy, F. S. 1 *s*
220 Cathedral P'kway
Tracy, G. 1 *m* 362 W. 57
Tracy, H. R. 3 t *Whittier*
Tracy, S. 4 t *Whittier*
Tragitt, H. N. 2 *c*
211 S. Ninth ave., Mt. Vernon
Trainer, C. R. 1 *c* Hartley
Traub, A. J. A. *phar*
162 Sayre, Elizabeth
Travis, G. pl
436 Grand ave., Bklyn.
Traxler, J. E. 1 *m* 108 W. 95
Treadwell, B. H. 1 b
254 Amity, Flushing, L. I.
Treat, D. H. 4 t *49 W. 85*
Treat, M. K. 4 t *49 W. 85*
Tremper, C. L. 3 t
90 Morningside Dr.
Tressler, J. C. *ph*
49 New York ave., Bklyn.
Trillich, B. L. 4 *s* 675 Union ave.
Trimble, R. J. 4 *c* 420 W. 119
Trischka, C. 3 *s*
135 S. Vine, Richmond Hill, L. I.
Trotter, C. A. 3 t *Whittier*
Trottier, T. ph *501 W. 122*
Troutfelt, E. M. 3 *l* Livingston
Troutman, R. B. 1 *l* Hartley
True, C. M. gr t *4111 W. 83*
Truesdell, W. B. *p* 515 W. 146
Tsai, Y. T. *p* Hartley
Tsen, A. T. L. 4 *t* Hartley
Tsu, A. Y. Y. *pl* 175 Ninth ave.
Tsukada, S. *pl* 157 E. 56
Tucker, E. L. 4 t *Whittier*
Tuer, J. A. *ph*
Union Theological Seminary
Tufts, A. B. ph *Whittier*
Tuite, A. K. 3 t *35 W. 111*
Tully, M. 2 b
185 St. Mark's ave., Bklyn.
Tupper, K. 4 t *Whittier*
Tupper, M. 4 t *Whittier*
Turck, C. J. 2 *l* 460 Riverside Dr.
Turck, V. 3 b *460 Riverside Dr.*
Turets, D. 1 *c* Hartley
Turk, E. 2 *l* 404 W. 124
Turner, C. C. 1 *l* 606 W. 113
Turner, C. G. 4 t *Whittier*
Turner, R. M. 4 t *Whittier*
Tuthill, C. S. 4 *t*
89 Hardenbrook ave., Jamaica
Tuthill, I. H. *nm b*
87 Lafayette ave., Bklyn.
Twinem, J. L. *ph*
Union Theological Seminary
Tyndall, G. V. A. gr t
137 S. Sixth ave., Mt. Vernon

Tyndall, H. J. T. nm t
137 S. Sixth ave., Mt. Vernon
Tyndall, R. M. 3 b *56 E. 102*
Tyner, B. Y. *gr t* 522 W. 123
Tyson, L. *pl*

Uhlrich, A. R. 2 *s* 429 W. 117
Ulrich, O. E. ph *401 W. 118*
Umaceny, L. A. p *205 E. 73*
Underhill, E. M. 2 *c* 202 W. 148
Underhill, R. M. ph *419 W. 121*
Ungarleider, M. E. 2 *s*
545 Marcy ave., Bklyn.
Unger, A. 4 *m* 52 E. 118
Unger, J. 2 b *73 E. 90*
Unger, J. J. J. *m* 40 W. 128
Unger, L. S. I. 3 *m* 40 W. 128
Ungerer, H. W. 1 *l* Livingston
Untermyer, E. M. 2 *c*
667 Madison ave.
Unti, I. A. 3 b *78 W. 11*
Updyke, A. H. *gr t*
204–33, Guttenberg
Upham, F. W. 2 b
1135 Ditmas ave., Bklyn.
Upton, E. B. nm t *148 E. 36*
Upton, E. C. *ph*
38 Schermerhorn, Bklyn.
Upton, E. L. 3 t *500 W. 121*
Usry, E. L. *gr t* 501 W. 121
Utley, G. H. 3 t *Whittier*

Vaeth, J. A. *ph* 503 W. 124
Vail, C. W. 1 *s* Hartley
Vail, E. 3 t *17 W. 124*
Valensi, A. 3 *c* 237 Second ave.
Valentine, C. H. 4 *s* 201 W. 100
Valentine, H. *nm c*
210 Riverside Dr.
Valentine, I. 1 *c* 24 E. 96
Valentine, K. S. 2 *c* 415 W. 118
Valentine, R. H. 1 *s*
880 St. Nicholas ave.
Valet, E. M. 4 b *111 W. 127*
Vallely, C. C. 3 *s* 410 W. 148
Van Alstyns, W. T. 2 *c* Livingston
Van Arsdale, F. A. 3 t
142 Elm ave., Mt. Vernon
Van Brunt, N. B. 3 t
8199 Colonial Rd., Bay Ridge
van Buren, M. P. 2 *c* Hartley
Van Buskirk, A. S. gr t *21 W. 123*
Van Buskirk, G. L. 1 *c* 21 W. 123
Vance, J. 4 t *Whittier*
Vanderbilt, A. T. 2 *l*
14 N. 9, Newark
van der Linde, V. G. 1 *s*
36 Hawthorne ave., E. Orange
Vander Meulen, J. M. *ph*
450 W. 147
Van Deusen, M. C. 4 t *519 W. 121*
Van Doren, L. G. 1 b
310 Union ave., Mt. Vernon
Van Dusen, I. C. 1 b
Far Rockaway, L. I.
van Duyn, M. E. 3 b
9 Claverly Pl., Flushing
Van Fossan, E. H. 2 *l* 627 W. 113
Van Gaasheek, H. C. 1 *c*
565 W. 113
Van Kleeck, E. 4 *m* 4 W. 123
Van Liew, M. S. 4 t *519 W. 121*
Vann, W. H. *ph* Livinsgton
Van Raalte, J. 2 b *10 W. 87*
Van Sant, J. T. *gr t* 527 W. 124
Van Schaick, L. W. *gr t* Scarsdale
Vanstrum, J. I. 3 t *Whittier*
Van Syckle, G. L. 3 t
308 Garden, Hoboken
Van Vranken, F. 4 b *Brooks*
Van Wagenen, M. J. *gr t* Livingston
Van Wert, S. E. ph *316 W. 112*
Vassar, H. W. *f a* Hartley
Vaughan, J. A. 1 *l* 600 W. 122
Vaughan, R. B. 4 *t* 170 W. 121
Vaughan, W. E. *ph* Hartley
Veeder, L. B. *pl* Peekskill
Veness, T. W. 2 *l* Livingston
Verhoeff, C. ph *417 W. 118*
Vermilye, H. M. 2 *m*
37 Waverley pl., Orange
Verplanck, E. F. 4 *s* 612 W. 116
Ver Planck, J. C. pl *34 E. 32*
Vessa, M. C. 1 *c*
140 Skillman ave., Bklyn.
Vial, C. nm t *565 W. 144*
Vialle, M. E. nm t *164 W. 65*
Vickers, L. *pl* Tenafly
Vierling, C. gr t *431 W. 121*
Vigneron, M. H. 4 *t* 526 W. 123
Villelli, J. A. *gr t* 61 Henry
Vine, E. C. 3 t *600 W. 146*
Vining, I. E. *pl* Livingston
Vogel, H. *phar* 128–30 Broome
Vogel, O. M. 1 *s* Livingston
Vogler, P. C. 3 *s* 134 Lawrence
Voight, W. W. *ph* 600 W. 122
Volk, F. 3 *t* 114 Chrystie
von Deesten, A. P. 1 *s*
180 Sunnyside ave., Bklyn.
von Doenhoff, D. 3 b *664 E. 166*
von Glahn, I. H. 3 b
14 Washington, Redbank

von Glahn, J. C. 3 *l* Livingston
von Helmolt, C. A. W., Jr. 1 *s* Belnord, 86 & B'way
von Hofe, G. D., Jr. 2 *c* 118 E. 87
von Lengerke, F. 3 t *211 Highland ave., Orange*
von Schwanenflueyel, H. *f a* 134 E. 72
von Sothen, C. E. H. 1 *s* 16 High, College Point
von Unwerth, F. ph *527 W. 121*
von Wahl, C. W. 4 b *22 E. 120*
von Wedell, H. A. *l* 100 Morningside Dr.
von Zellen, O. ph *421 W. 121*
Voorhees, T. S. 1 *l* Bishop Pl., New Brunswick
Voorhees, W. de F. 1 *c* 136 Rutland Rd., Bklyn.
Voorhies, J. 2 *c* 2566 Ocean ave., Bklyn.
Voorhis, S. G. 3 b *500 W. 122*
Vorhaus, A. R. 2 b *160 E. 80*
Vose, C. E. ph *Whittier*
Voyse, M. 3 b *409 Palisade ave., Yonkers*
Vredenburgh, E. H. 1 *l* 440 William, Brick Church, N. J.

Wack, W. H. 3 *c* 2175 Eighth ave.
Wade, E. C. *pl* Hartley
Wagener, C. *nm m*
Wagner, F. H. 4 *s* 619 W. 113
Wagner, T. J. *gr t* Tomkins ave.
Wagstaff, M. B. 4 t *Cranford*
Wahlquist, H. 3 *t* 212 Union, Hackensack
Waite, E. R. ph *18 Randolph, Passaic*
Waite, J. 2 *s* Harvard Club
Wakatsuki, P. M. *ph* 175 Ninth ave.
Wakefield, A. *ph* 87 Fourth ave., Newark
Wakefield, G. R. 2 *s* Hartley
Wales, N. E. 3 t *Whittier*
Walker, B. C. ph *Whittier*
Walker, E. de Th. 1 b *122 W. 103*
Walker, J. F. 3 *t* 414 Riverside Dr.
Walker, L. 1 b *220 W. 129*
Walker, L. E. 1 b *122 W. 103*
Walker, L. V. 4 t *512 W. 122*
Walker, M. L. 3 t *Whittier*
Wallace, O. A. 2 *s* 7 W. 92
Waller, A. P. N. 1 b *76 Morningside Dr.*
Walls, E. A. pl *43 E. 22*
Wallser, J. F. 1 *t* 414 Riverside Dr.
Walsh, H. V. *f a* 602 S. Broadway, Yonkers
Walsh, J. A. 3 *s* 461 E. 185
Walsh, J. J. 4 *t* 5 E. 131
Walsh, S. C. 2 *l* 2703 Creston ave.
Walter, H. O. 3 *l* 200 W. 71
Walter, L. 4 *s* 76 Juniper ave., Maspeth, L. I.
Walther, C. M. 4 t *201 N. High, Mt. Vernon*
Walther, T. H. 3 t *1969 Seventh ave.*
Walton, J. B. *pl* 586 W. 178.
Walton, J. S. 4 t *Whittier*
Walton, L. S. 2 b *855 Gates ave., Bklyn.*
Wang, C. F. *p* Hartley
Wang, C. H. *p* Hartley
Wang, Y. T. *p* Hartley
Wann, L. *ph* Livingston
Ward, C. C. ph *92 Morningside Dr.*
Ward, D. W. 3 *m* 216 W. 42
Ward, E. D. 2 *c* 507 W. 124
Ward, M. A. 4 t *11 W. 126*
Ward, W. 2 *l* 1120 Amsterdam ave.
Ward, W. L. *f a* 565 W. 113
Wardell, S. E. 4 *t* 101 Day, Orange
Waring, L. A. 2 b *70 Ashford, Bklyn.*
Warner, C. M. 4 *s* Hartley
Warner, J. B. 3 *l* 319 McDonough, Bklyn.
Warner, S. E. 3 t *Whittier*
Warren, A. L. ph *420 W. 121*
Warren, B. R. sp b *Union Theological Seminary*
Warren, G. H., Jr. *nm s* 924 Fifth ave.
Warwick, V. A. ph *254 Vanderbilt ave., Bklyn.*
Washburn, E. M. p *Whittier*
Washburn, F. B. 3 *l* 52 E. 79
Washburn, W. M. 2 *l* 52 E. 79
Washington, B. 1 *s* 612 W. 116
Wasserman, E. P. 1 b *111 W. 88*
Waterbury, A. E. 4 *t* Livingston
Waterbury, C. H. 2 *c* 627 W. 113
Waters, C. 4 t *501 W. 123*
Waterstone, S. S. nm t *121 Irvington ave., S. Orange*
Watkins, A. V. *nm l* 33 W. 126
Watkins, C. ph *Whittier*
Watkins, F. V. 4 t *420 W. 119*
Watkins, H. R. *nm t* 3089 Bway.
Watkins, W. K. 1 *c* 232 W. 127
Watson, C. M. 3 *c* 731 Madison
Watson, F. D. *pl* Hartley
Watson, G. 3 t *Whittier*

Watson, M. 1 b *420 W. 119*
Watson, M. 3 b *258 W. 93*
Watson, S. A. 4 t
Nurses' Home, St. Luke's Hospital
Watson, T. H., Jr. 4 *c* 258 W. 93
Watters, A. C. 3 *s* 532 W. 158
Watters, F. A. p *141 W. 4*
Waxman, M. W. *ph*
429 Sutter ave., Bklyn.
Way, E. M. 3 t *500 W. 124*
Weagle, J. A. *ph*
General Theological Seminary
Weaver, A. 4 b
25 Jefferson ave., Bklyn.
Weaver, B. 3 b
25 Jefferson ave., Bklyn.
Weaver, R. A. 1 *l* 44 Stuyvesant
Webb, E. W. 3 b
312 S. Second ave., Mt. Vernon
Webb, G. R. 2 *c* Hartley
Webber, W. T. 2 *l* 515 W.139
Webster, E. H. *gr t*
147 Clinton, Bklyn.
Webster, G. T. 3 t
200 Claremont ave.
Wechsler, P. 2 *c* 460 Grand
Weckmann, L. 4 t *128 W. 112*
Weed, B. E. 3 t *417 W. 120*
Weed, L. A. 1 *c* Hillsdale
Weeks, E. T. pl
154 Second ave., Long Island City
Weeks, F. L. gr t *420 W. 119*
Weeks, F. M. *pl* 600 W. 122
Weeks, H. 1 *s* 420 W. 118
Weeks, R. F. 2 *l* 240 W. 73
Weeks, W. C. 1 *c* 633 W. 115
Weeks, W. W. 4 *m* 46 E. 57
Wegener, F. A. 4 *s* 546 W. 113
Wehle, H. 3 t *352 W. 117*
Wei, W. P. *pl* Hartley
Weidinger, C. R. 1 *c* Englewood
Weikert, T. E. pl *Englewood*
Weil, B. ph *1343 Lexington ave.*
Weil, F. L. 1 *c* 57 W. 87
Weil, L. 3 b *303 W. 100*
Weill, M. 3 *c* 333 E. 79
Weinberg, C. 1 *c* Elizabeth
Weiner, M. F. sp b *250 W. 91*
Weiner, S. F. 2 *c* 2170 Bway.
Weingreen, G. E. 1 b
264 Riverside Dr.
Weinstein, A. 2 *c* 253 W. 84
Weinstein, H. *phar* 174 Canal
Weintrob, J. 4 *t* 449 W.124
Weis, W. M. 1 *l* 133 E. 74
Weisbach, M. E. nm t
800 Riverside Dr.
Weiskotten, H. T. 2 *c*
96 Hewes, Bklyn.
Weisman, C. *p*
152 Atlantic ave., Bklyn.
Weiss, A. A. 2 *m* 588 Park ave.
Weiss, B. 4 *s* 45 St. Mark's Pl.
Weiss, H. 3 *s*
95 Williams ave. Bklyn.
Weiss, N. H. ph
Riverside Dr. & 180
Weiss, P. M. 4 t
32 Monmouth, Newark
Weiss, S. W., Mrs. ph
Riverside Dr. & 180
Weisz, N. *pl* Hartley
Welch, A. M. gr t *421 W. 118*
Welch, W. 2 *s* Scarsdale
Weldon, B. 1 b
Homestead Pk., New Rochelle
Welle, E. 4 *s*
365 Straight, Paterson
Wellenkamp, J. H. 2 *c*
87 State, Bklyn.
Wellerson, M. *nm t*
2026 Honeywell ave.
Welles, K. B. *ph* 600 W. 122
Welling, L. H. 1 *s* Merrick
Wellington, E. E. ph *Bronxville*
Wellington, H. G. 3 *c* 500 W. 114
99 Claremont ave.
Wells, B. V. 3 t *512 W. 122*
Wells, C. p *54 W. 94*
Wells, C. A. 2 b
406 So. Third ave., Mt. Vernon
Wells, M. L. 3 t *415 W. 118*
Wellwood, B. E. 3 t
2229 Andrews ave.
Welsh, F. D. 1 *s* 565 W. 113
Welsh, J. C. *gr t* 707 W. 180
Wendover, C. M. 3 t *Tenafly*
Wendt, E. C. 1 *l* 2025 Bway.
Werks, W. W. 4 *m* 46 E. 57
Werner, P. C. 3 *l* 202 Riverside Dr.
Werts, M. E. 3 t
275 Union, Jersey City
Wessa, A. 4 t *527 W. 121*
West, J. E. 1 *l* Livingston
West, L. F. *nm t* 384 Jay, Bklyn.
West, M. E. gr t *537 W. 123*
West, M. L. 4 t *537 W. 123*
West, W. L. 2 *c*
849 St. Nicholas ave.
Westerfield, W. H. 1 *c* 520 W. 122
Westervelt, A. E. 3 t *509 W. 121*
Westervelt, H. I. 3 t *557 W. 124*
Westervelt, M. B. 4 t *Tenafly*
Westfall, M. 3 t *631 W. 142*

Weston, A. J. *ph*
160 N. 18, E. Orange
Weston, F. H. nm t *510 W. 124*
Wetjen, H. W. 4 *s* 146 W. 98
Wettlin, E. L. gr t
239 Walnut, Westfield
Weyant, J. A. 1 *s* Yorktown
Whalen, E. 3 *t* 1219 Taylor ave.
Wheat, F. M. *gr t* 432 E. 9, Bklyn.
Wheeler, D. 4 t *987 Bulls Ferry Rd., Woodcliff ave., Hudson*
Wheeler, I. 2 *l* 565 W. 113
Wheeler, O. W. 4 t
Wheeler, R. A. 3 *s* 604 W. 114
Whelan, F. R. 2 *c*
153 Stuyvesant ave., Bklyn.
Whelan, M. E. 3 b *Brooks*
Whicher, G. F. *ph* Livingston
Whisenhunt, C. C. *gr t* 419 W. 115
Whitaker, K. E. 3 *l* 540 W. 113
Whitcomb, E. M. 3 t *Whittier*
Whitcomb, P. 1 *l* 32 E. 23
White, B. S. 4 t *Whittier*
White, C. R. 1 *l* 414 W. 118
White, C. W. *phar*
9 Sanford, Dover
White, E. S. nm t
1125 Madison ave.
White, G. MacC. gr t *Whittier*
White, M. R. sp b *18 W. 69*
White, V. 3 b
362 Main, Hackensack
White, W. 3 *c* 611 W. 145
White, W. C. 4 *m*
833 Bloomfield, Hoboken
White, W. C. 4 *s* 531 W. 113
Whiteford, M. 3 t *537 W. 121*
Whitelaw, E. nm t *420 W. 119*
Whitelaw, W. M. *ph* 600 W.122
Whitfield, G. M. nm t *439 W. 123*
Whitford, E. E. *p* 523 W. 151
Whitlock, B. McE. 4 *c*
535 Park ave.
Whitman, A. nm t
90 Morningside Dr.
Whitman, A. 4 *m*
283 Lexington ave.
Whitmore, B. C. *ph*
1 Mount Morris Park
Whitney, J. 4 t
Union Settlement, 237 E. 104
Whitson, W. W. *pl*
124 Essex ave., Orange
Whittemore, A. F. 4 t *Whittier*
Whitten, A. A. 4 t *219 W. 134*
Whyte, A. M. nm t
164 S. Oxford, Bklyn.
Wickenden, Y. A. W. nm t
503 W. 121
Wicks, H. E. 3 t
108 Ft. Greene Pl., Bklyn.
Wickwire, E. W. p *610 W. 115*
Wiener, J. H. *phar* Rockaway Park
Wiener, J. T. nm t
15 Claremont ave.
Wiffler, F. J. 1 *s* 24 Gold, Yonkers
Wigand, E. E. 2 b
Arrochar, S. I.
Wiggan, A. ph *534 W. 124*
Wiggers, A. F. A. 3 *m* 400 W. 152
Wiggins, R. L., Jr. *ph* 430 W. 118
Wight, G. T. *ph* 501 W. 121
Wilber, R. B. 1 b *Sound Beach*
Wilcox, C. L. p
40 Central ave., Mariners Harbor
Wilcox, D. A. 3 *s* 431 W. 117
Wilcox, W. gr t *Pelham*
Wild, T. F. 3 t *Whittier*
Wildman, H. V., Jr. 4 *m*
108 W. 94
Wildrick, C. D. 3 *t* 520 W. 123
Wiley, W. H. *gr t* 53 W. 95
Wilfert, E. 2 *l*
Wilford, H. E. *ph* 107–3, Elmhurst
Wilford, M. G. 4 t *505 W. 112*
Willard, C. B. 1 *l*
210 Maple, Bklyn.
Willard, H. C. ph
230 Tecumseh ave., Mt. Vernon
Wille, V., Jr. 1 *s*
1839 Harrison ave.
Willey, E. 3 t *Whittier*
Williams, B. C. ph *415 W. 118*
Williams, B. W. 1 *c* 531 W. 113
Williams, E. A. p
186 Bklyn. ave., Bklyn.
Williams, E. G. 2 b *141 W. 122*
Williams, E. I. 2 *s* 2788 B'way
Williams, E. J. 3 *t* Hartley
Williams, J. E. 3 *m* Roselle Pk.
Williams, J. F. 3 *m* 346 W. 57
Williams, K. 1 b
Bay 8th & Bath ave., Bklyn.
Williams, L. E. 4 t *444 W. 163*
Williams, M. E. nm t *Whittier*
Williams, M. L. *gr t* 543 W. 123
Williams, P. 3 *l* Livingston
Williamson, L. J. 3 t *540 W. 122*
Williamson, R. G. 2 *s* Greenwich
Willingham, J. C. 1 *l* 522 W. 123
Willis, H. S. 1 *c* Flushing
Willyoung, M. M. 3 t
5 N. Fulton ave., Mt. Vernon
Wilmot, A. M. 1 *c* 536 W. 114

Wilmot, H. E. 3 b
391 Dean, Bklyn.
Wilmot, M. E. pl *391 Dean, Bklyn.*
Wilson, A. S. 4 b
107 Spruce, Newark
Wilson, E. T. 3 t
60 N. Walnut, East Orange
Wilson, H. C. 2 *l* 419 W. 118
Wilson, H. N. 3 *l* 419 W. 118
Wilson, J. 4 *t* 365 Pacific, Paterson
Wilson, J. 2 *c*
162 York, Jersey City
Wilson, J. A. 1 *c* Hartley
Wilson, J. P. 3 *c*
135 Fourth ave., Newark
Wilson, J. R. 3 *t*
727 E. 23, Paterson
Wilson, L. 4 *s* 808 West End ave.
Wilson, L. T. *p* 525 W. 123
Wilson, M. 4 t *200 Waverly Pl.*
Wilson, M. M. ph
162 Herkimer, Bklyn.
Wilson, P. 1 *l* Glen Ridge
Wilson, P. O. 4 t *420 W. 121*
Wilson, S. J. 3 c 110 Kent, Bklyn.
Wilson, W. H. *gr t*
365 Pacific, Paterson
Wilson, W. J. 2 *s* Hartley
Wilson, W. S. 1 *c* 200 E. 201
Wimmer, J. D. 4 *c* Hartley
Winant, C. D. 1 *l* 103 E. 71
Winchell, J. A. 4 t
176 Elm ave., Mt. Vernon
Windsor, B. N. 2 *c* Hartley
Winn, B. 3 t *Whittier*
Winslow, C. L. A., Mrs. nm t
411 W. 114
Winslow, E. A. 4 t *3115 B'way*
Winslow, L. L. 4 *t* Livingston
Winslow, T. S. 3 *m*
Wyoming Apts., 55 & 7 ave.
Winward, A. G. *nm c* 512 W 122
Winward, L. E. 4 t *512 W. 122*
Wischkaemper, H. *pl* 21 W. 101
Wise, A. L. 3 *s* 28 E. 63
Wise, H. A. 2 *c* 790 Riverside Dr.
Wise, R. M. 2 b *473 West End ave.*
Wiseltier, J. 3 *t* 1341 Teller ave.
Witzell, P. J. 1 *s*
1077 Hancock, Bklyn.
Wohlfeil, L. B. 4 *t* 441 E. 87
Wohlgemath, M. W. 1 *s*
146 Kingston ave., Bklyn.
Wolbarst, E. S. 3 *l* Hartley
Wolf, M. 4 *c* 401 W. 118
Wolfe, C. T. 2 *l* Hartley
Wolff, H. A. 2 *l* 250 W. 82
Wolff, M. 3 b *231 W. 97*
Wolff, S. L. *ph* 311 W. 94
Wolfson, G. M. 2 *l* Hartley
Wolk, A. 2 *c* Hartley
Woll, F. A. *gr t* 1013 Home
Wollison, I. 2 *l* 1929 Bergen, Bklyn.
Womack, M. D. p *511 W. 112*
Wong, K. M. 3 *t* Hartley
Wood, A. H. 1 *c* Hartley
Wood, C. C. gr t *420 W. 118*
Wood, C. M. *ph* 830 Park ave.
Wood, E. L. 4 t *453 W. 124*
Wood, H. sp b *450 Riverside Dr.*
Wood, J. P. 4 *s* 462 Convent ave.
Wood, M. G. 4 t 70 Morningside Dr.
Wood, M. M. ph *541 W 124*
Wood, N. F. 1 b
Englewood ave., Englewood
Wood, M. E. M. 3 b
162 Cleveland, Bklyn.
Wood, R. B. 3 b *Brooks*
Wood, R. U. 2 *s* 429 W. 117
Wood, W. H. 2 *f a* Hartley
Woodbury, W. B. *ph* Livingston
Woodcock, F. W. 1 *s*
13 Cambridge Pl., Bklyn.
Woodhouse, C. D. 1 *l* 536 W. 111
Woodland, M. R. *gr t* 401 W. 117
Woodruff, J. E. 3 b
344 Gregory ave., Passaic
Woodruff, M. St. C. nm t *Whittier*
Woods, C. A., Mrs. pl *620 W. 116*
Woodward, H. E. *p* Livingston
Woodward, M. B. 3 t *Whittier*
Woodwell, C. S. 4 *c* 225 W. 105
Woodworth, S. E. 3 *s* Livingston
Wooley, F. H. 2 *l* 121 E. 34
Wooley, M. R. 3 t *Whittier*
Woolworth, A. B. 3 b
148 Halsey, Bklyn.
Work, J. C. 2 *s* Oyster Bay
Worthington, A. F. *f a* 612 W. 116
Worthington, B. V. T. 2 *l* 29 E. 77
Worthington, J. E., Jr. 2 *c*
28 Vernon Terrace, East Orange
Wortmann, J. C. ph
49 Fourth ave., Bklyn.
Wray, M. S. 3 t *414 W. 118*
Wright, A. M. nm t
11 Lincoln ave., Greenwich
Wright, E. 4 t *Whittier*
Wright, E. W. phar
611 Colorado ave., Bridgeport
Wright, F. S. 1 *s* Hartley
Wright, J. A. 1 b *557 W. 148*
Wright, M. nm t
11 Lincoln ave., Greenwich

Wright, M. A. 4 t *Whittier*
Wright, M. C. pl *Pleasantville*
Wright, V. A. nm t
804 President, Bklyn.
Wrigley, M. 4 t *610 W. 116*
Wulff, M. 3 t *401 W. 118*
Wülfing, F. W. 1 *c*
659 Metropolitan ave., Bklyn
Wunderlich, E. P. 4 b
146 B'dway, Tarrytown
Wurm, C., Jr. 1 *c* 606 E. 164
Wurster, W. F. 2 *s* 327 Lenox ave.
Wyckoff, M. 1 b
43 Lincoln, Glen Ridge
Wye, T. S. 3 *c* 53 Bayard
Wygal, W. C. pl *3 Gramercy Pk.*
Wylie, J. H. 4 *m* 346 W. 57
Wyman, G. H. *gr t*
961 St. Nicholas ave.

Yablick, M. 1 *s*
472 Bergen, Newark
Yackey, L. M. 3 t *Whittier*
Yamakawa, Y. *pl*
Consulate General of Japan
Yanagisawa, T. *pl*
440 Riverside Dr.
Yang, C. *p* Hartley
Yang, S. C. 1 *s* 420 W. 119
Yang, Y. Y. *pl* 419 W. 118
Yarborough, M. C. ph *519 W. 121*
Yates, J. A. *nm l* 425 W. 114
Yates, M. L. 4 *c*
General Theological Seminary
Yeung, Y. F. 1 *l* 225 E. 31
Yoakley, I. gr t *419 W. 121*
Yost, E. B., Mrs. nm t *Edgewater*
Yost, J. W. *gr t* Edgewater
Youmans, E. L. 1 *s*
42 Claremont ave., Mt. Vernon
Young, A. B., Mrs. f a *317 W. 89*
Young, E. V. ph
1206 Franklin ave.
Young, J. F. 3 *m* 142 E. 27
Young, J. J., Jr. 1 *m*
149 Bedford ave., Bklyn.
Young, M. C. nm b *317 W. 89*
Young, M. M. 3 t *500 W. 121*
Young, R. H. 4 *c* 416 W. 36
Young, R. W., Jr. 1 *l* 500 W. 122
Younger, D. H. 4 *c* Livingston
Yount, C. C. 4 *m* Livingston
Yunck, B. M. 4 t
422 Meeker, So. Orange

Zagat, H. 1 b *184 Claremont ave.*
Zahn, G. W. 1 *c*
115 Summer ave., Bklyn.
Zavedovich, 1 *s*
294 Georgia ave., Bklyn.
Zeller, G. O., Jr. *p*
595 West End ave.
Zeman, F. D. 2 *c*
17 Spencer Pl., Bklyn.
Zetsche, R. G. *f a* 658 E. 175
Zeydel, E. H. 1 *c*
416 Westminster Rd., Bklyn.
Zia, Z. C. 2 *s* Hartley
Ziegler, C. W. *gr t*
30 Beechwood ave., Summit
Ziegler, E. E. 4 b
37 Maple, Richmond Hill
Zietlow, C. F. *nm l* 611 W. 156
Zigrosser, C. D. *ph*
1203 Broad, Newark
Zimbal, S. F. 4 *t* 1137 Third ave.
Zimmer, S. H. 2 *s* 601 E. 170
Zimmerman, R. R. 3 *t*
Zimmermann, T. A. *phar*
211 Hackensack Plk. Rd.,
Weehawken Heights
Zinsser, R. *p* 1 W. 70
Zion, L. 1 *m* 830 Kelly
Zipp, C. S. 2 *l* Hartley
Zipris, V. V. 3 *l*
974 St. Nicholas ave.
Zoffman, C. 3 t *Whittier*
Zoller, H. P. 4 *c* 556 W. 150
Zorn, F. 2 *l* 170 W. 136
Zukerman, D. 3 *c* 218 S. 1st, Bklyn.
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